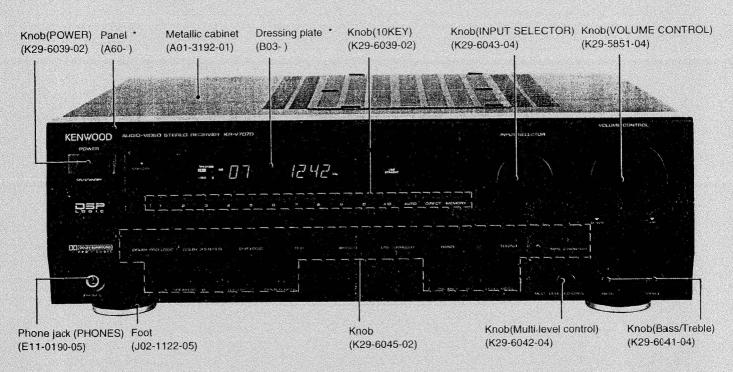
AUDIO-VIDEO STEREO RECEIVER

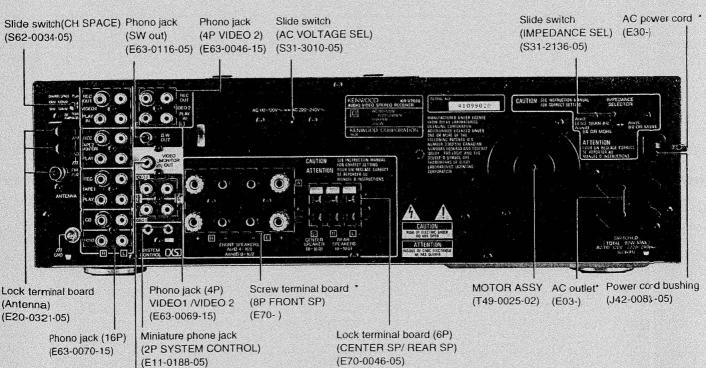
KR-V7070

SERVICE MANUAL

KENWOOD

© 1995-1 PRINTED IN KOREA B51-5020-00 (S) 3949





Phono jack (VIDEO MONITOR OUT) (E63-0130-05)

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ACCESSORIES

FM indoor antenna.....(1) (T90-0801-05)

(T90-0198-05)

Antenna adaptor.....(1) AM loop antenna assy(1) Loop antenna stand (T90-0195-05)

(J19-3645-05)









Remote control unit.....(1) (A70-1009-05):RC-R0704 BATTERY COVER: (A09-0194-08)



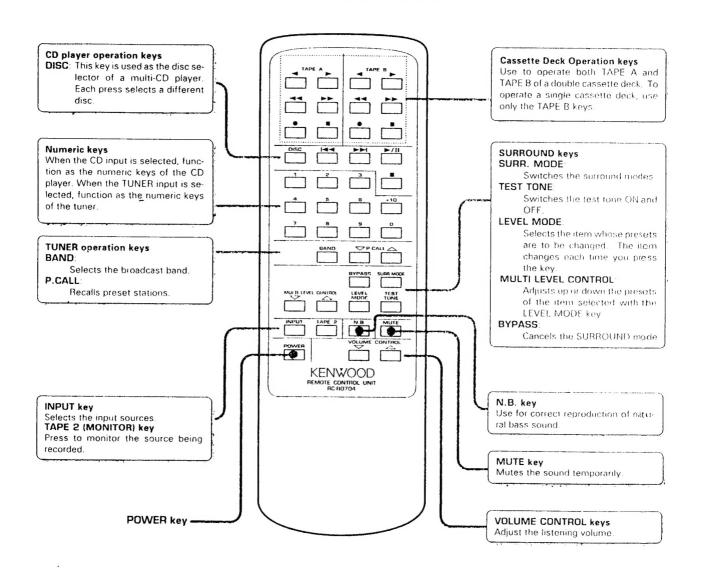
Batteries(R6/AA).....(2)



AC plug adaptor(1) (E03-0115-05):M only

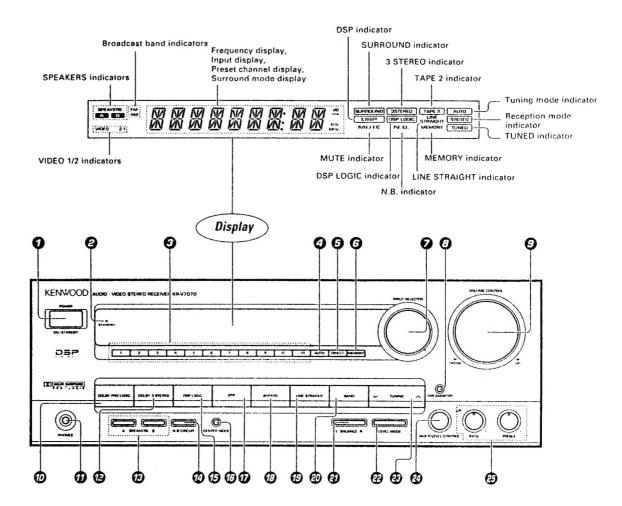


REMOTE CONTROL UNIT



Model: RC-R0704 Infrared ray system

CONTROL UNIT



OPOWER key

OSTANDBY indicator

Numeric keys

OAUTO key

O DIRECT key

Press for direct station tuning based on numerical input.

MEMORY key

Press to preset a station in the memory.

⊘INPUT SELECTOR knob

Turn to select the input sources

TAPE 2(MONITOR) key

OVOLUME CONTROL knob

@ DOLBY PRO LOGIC key

OPHONES jack

Used for headphone listening.

® DOLBY 3 STEREO key ® SPEAKERS A/B keys

Press to select the A and/or B speaker systems.

ON. B. CIRCUIT key

Use for correct reproduction of natural bass sound.

@DSP LOGIC key

©CENTER MODE key

Press to select the center mode of the DOLBY PRO LOGIC surround play.

ODSP key

OBYPASS key

Press to cancel the surround modes.

©LINE STRAIGHT key

Press to reproduce the source with a higher sound quality.

@BAND key

Press to switch the broadcast band.

® BALANCE keys

Turn to adjust the volume balance between left and right.

@LEVEL MODE key

Selects the item whose presets are to be changed (in SURROUND MO) E).

@TUNING keys

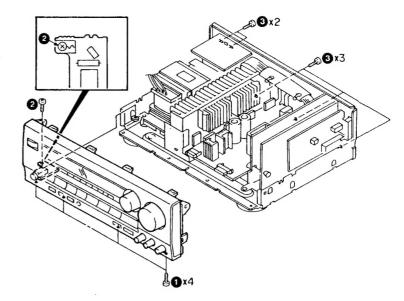
@MULTI LEVEL CONTROL k nob

Adjusts up or down the presets of the item selected with the LEVEL MODE key (in SURROUND MODE).

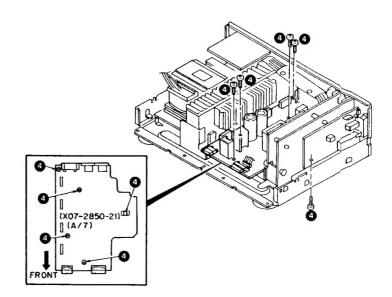
Tone control knobs

DISASSEMBLY FOR REPAIR

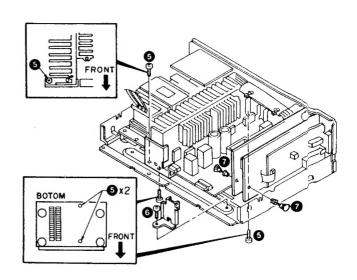
- 1. Remove the four front panel screws (10).
- 2. Remove the one phone jack PCB screw (2).
- 3. Remove the five rear panel screws (3).



4. Remove the five main PCB screws (4).

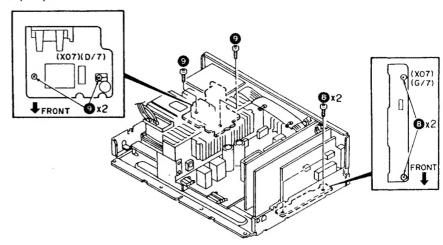


- 5. Remove the three heat sink mounting hardware screws(**6**).
- 6. Remove the one X09 BCB mounting hardware screw (**6**).
- 7. Remove the two push rivets (?).

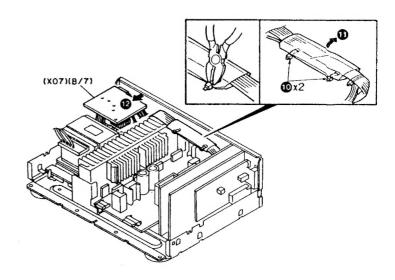


DISASSEMBLY FOR REPAIR

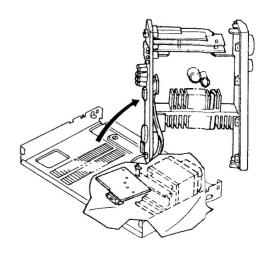
- 8. Remove the two (X07) (G/7) PCB screws (3).
- 9. Remove the two (X07) (D/7) PCB screws (9).



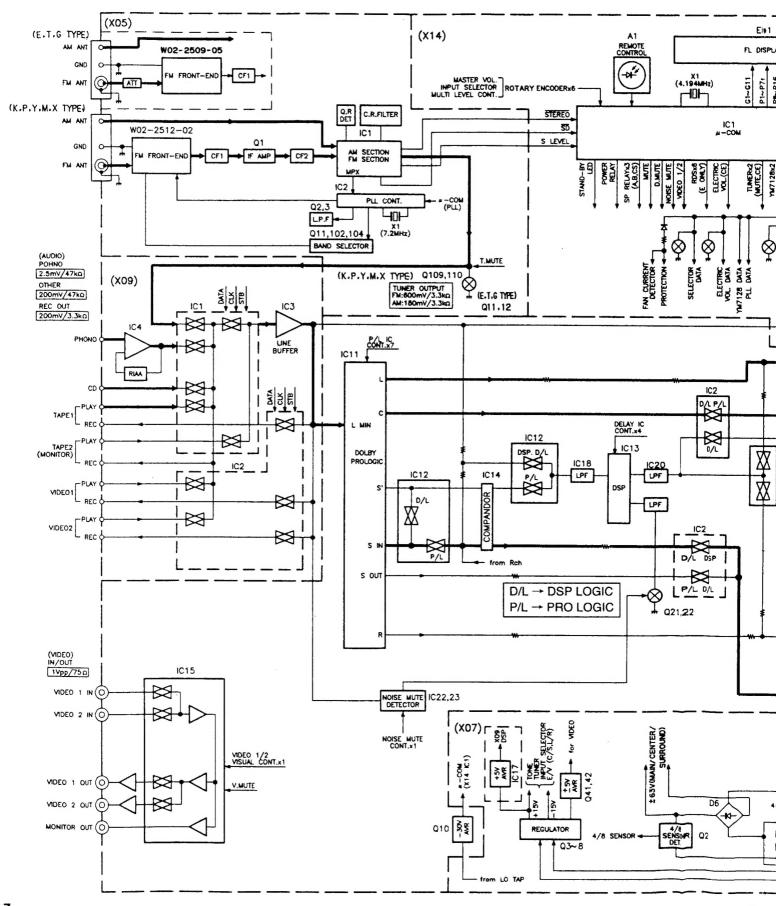
- 10. Cut the two wire bands (0).
- 12. Remove the (X07) (B/7) PCB (12)).

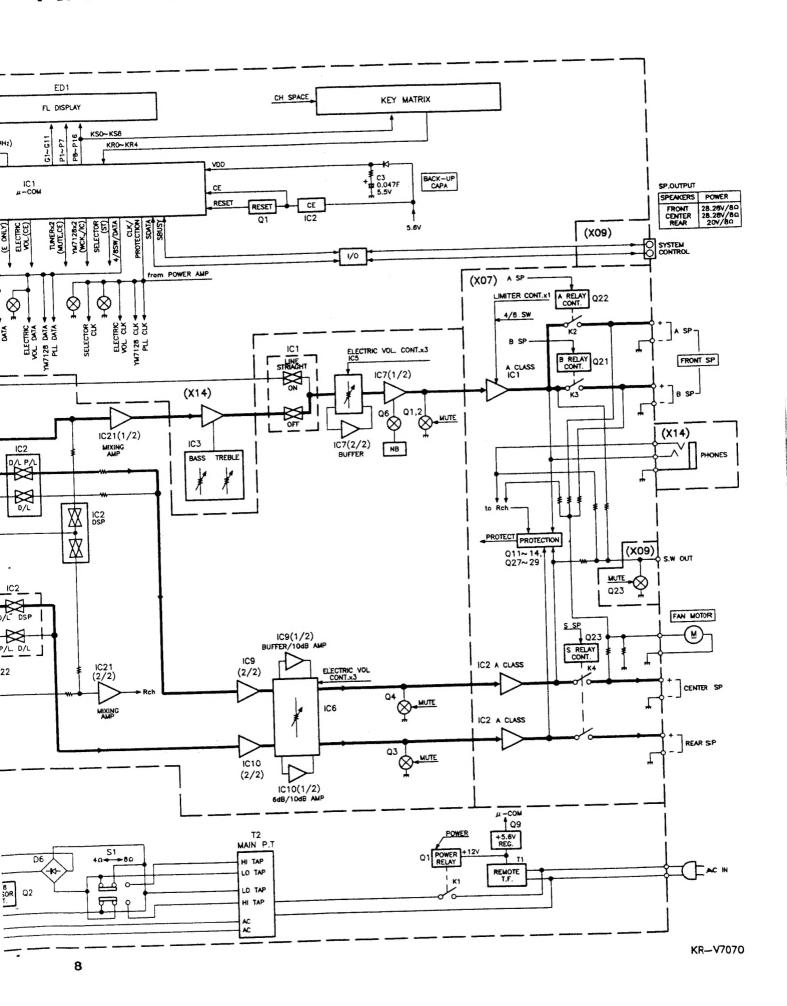


13. Stand the set with left side down ward. (Lay a cloth on top of the transformer.)



BLOCK DIAGRAM





CIRCUIT DESCRIPTION

1. INITIAL STATE

(1) POWER OFF

(2) AMP-related block	
AUDIO SELECTOR	TUNER
 VIDEO SELECTOR 	VIDEO 1
 SPEAKER A 	ON
 SPEAKER B 	OFF
 TAPE 2 MONITOR 	OFF
 LINE STRAIGHT 	OFF
 VISUAL FIX 	OFF
 N.B. CIRCUIT 	OFF
 BALANCE 	CENTER
 VOLUME 	-65 dB
	,

(3) SURROUND-related block

• MODE	BYPASS (OF
 CENTER LEVEL 	0 dB
 REAR LEVEL 	0 dB
 CENTER MODE 	NORMAL
DSP MODE	ARENA
 DSP LOGIC MODE 	LARGE
EFFECT LEVEL:	

KR-V8070

DSP	ARENA JAZZ CLUB	-2 dB -2 dB
	STADIUM	+2 dB
DSP LC	GIC	0 dB

KR-V7070

DSP		0 dB
DSP	LOGIC	0 dB

• DELAY TIME

KR	I-V8070
	DSP

DSP	ARENA	10 msec
	JAZZ CLUB	20 msec
	STADIUM	30 msec
DSP	LOGIC	
	LARGE	20 msec
	SMALL	30 msec
PRO	LOGIC	20 msec

KR-V7070

DSP		40 msec
DSP	LOGIC	40 msec
PRO	LOGIC	20 msec

(4) Tune-related block

•	BAND	FM

• FREQUENCY Lower-limit value of FM

(87.50 MHz)

 Tuning MODE **AUTO TUNING** (AUTO STEREO)

• P. CH DISPLAY -- CH

Preset memory

1 ab	ıe	1-	1	initial	Data	Lis	t of	Tuner
 		_						

i	Table 1-1 Initial Data List of Tuner							
	Channel BAND		K1 TYPE	BAND	K2 TYPE	BAND	E TYPE	
	01ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MH	
	02ch	FM	98.00MHz	FM	98.00MHz	FM	98.00MH	
	03ch	FM	108.00MHz	FM	108.00MHz	FM	108.00MH	
	04ch	AM	630kHz	AM	630kHz	AM	630kHz	
Ì	05ch	AM	990kHz	AM	990kHz	AM	990kHz	
	06ch	AM	1440kHz	AM	1440kHz	AM	1,440kHz	
1	07ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
1	08ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
I	09ch	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
I	10ch	FM	89.10MHz	FM	89.10MHz	FM	89.10MHz	
ļ	11ch	FM	88.00MHz	FM	88.00MHz	FM	88.00MHz	
ĺ	12ch	FM	90.00MHz	FM	90.00MHz	FM	90.00MHz	
I	13ch	FM	97.50MHz	FM	97.50MHz	FM	97.50MHz	
ı	14ch	FM	98.50MHz	FM	98.50MHz	FM	98.50MHz	
١	15ch	FM	106.00MHz	FM	106.00MHz	FM	106.00MHz	
ı	16ch	AM	530kHz	AM	530kHz	AM	531kHz	
l	17ch	AM	1000kHz	AM	1000kHz	AM	999kHz	
l	18ch	AM	1700kHz	AM	1610kHz	АМ	1602kHz	
l	19ch	FM	96.30MHz	FM	96.30MHz	FM	96.30MHz	
١	20ch	FM	107.00MHz	FM	107.00MHz	FM	107.00MHz	
l	21CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
l	22CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
l	23CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
l	24CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
ı	25CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
ı	26CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
l	27CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	28CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
l	29CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	30CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	31CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	32CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	33CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	34CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	35CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	36CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	37CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	38CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	39CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	
	40CH	FM	87.50MHz	FM	87.50MHz	FM	87.50MHz	

CIRCUIT DESCRIPTION

2. BACKUP

This function holds the current state of the unit even if the AC power of the AV receiver is turned OFF.

(1) Operation outline
The backup state set command signal (CE) of a microcomputer is set low when the AC power is turned OFF. The microcomputer detects the signal and enters the stop state.

The microcomputer is reset when the AC power is turned ON. The data for backup state confirmation is checked by reset processing.

The microcomputer is initialized when the data was destroyed. If it is not destroyed, the microcomputer is started in the backup state.

- The data (16-bit) for backup state confirmation is written in a RAM area.
- The microcomputer is set to the STOP mode so as to save the power consumption.
- · A backup state set command signal is detected by a timer interrupt of 1 msec.
- The backup guarantee period is set in a circuit.

(2) Backup state setting

- The data (16-bit)(01011010 01101001b = 5A69h) for backup state confirmation is written in a RAM area.
- · Setting the special function port Set the input/output port of a serial interface to the serial interface operation stop mode. Set the FIP controller to the display OFF mode.
- Setting the microcomputer's internal special function Set all the interrupt enable flags to the disable state. respectively. Set the microcomputer to the STOP mode and stop the system clock oscillation of the microcomputer.

(3) Contents of backup data to be held

- POWER ON/OFF state
- VOLUME LEVEL data
- BALANCE LEVEL data
- N.B. ON/OFF
- SELECTOR MODE data
- SURROUND MODE data
- DELAY TIME data (PRO LOGIC, DSP, and DSP LOGIC)
- EFFECT LEVEL data (DSP and DSP LOGIC)
- CENTER LEVEL data (DSP LOGIC, PRO LOGIC, and 3 STEREO)
- REAR LEVEL data (DSP, DSP LOGIC, and PRO LOGIC)

- TUNER RECEIVING STATION FREQUENCY data
- TUNER PRESET MEMORY data
- TUNER AUTO/MANUAL mode

3. PROTECTION

The protection state is entered when abnormality is detected during the POWER-ON sequence.

- The power and speaker are turned OFF when the abnormal state is detected during the POWER-ON
- The STANDBY LED blinks every 500 msec.
- The fluorescent display indicator goes OFF.

CIRCUIT DESCRIPTION

4. DESTINATION AND MODEL LIST

Table 4-1 Destination and Model List

MODEL		KR-V8070	KR-V7070
FUNCTION	DESTINATION	КРМХҮ	KPMXYET
AMP	DSP	00000	000000
	VISUAL FIX	00000	××××××
	K1	×O×××	×○×××××
TUNER	K2	000×0	000×0××
	E1	××000	××00000
	E3 (RDS)	×××××	××××××

YES X :NO

5. DESTINATION LIST OF TUNER

Table 5-1 Destination List of Tuner

		BAND Receive frequency range				Destination DSW(X14-)		
Destination	BAND		channel space	1F	PLL reference frequency	DSW2	DSW1	DSW0
						P25	P24,28	P23
K1	FM	87.5MHz~108.0MHz	100kHz	10.7MHz	50kHz	0	0	0
	AM	530kHz~1700kHz	10kHz	450kHz	10kHz			
K2	FM	87.5MHz~108.0MHz	100kHz	10.7MHz	50kHz		*1	
	AM	530kHz~1610kHz	10kHz	450kHz	10kHz			
E1	FM	87.5MHz~108.0MHz	50kHz	10.7MHz	50kHz	0	1	1
	AM	531kHz~1602kHz	9kHz	450kHz	10kHz			
E3	FM	87.5MHz~108.0MHz	50kHz	10.7MHz	50kHz	1	0	1
	AM	531kHz~1602kHz	9kHz	450kHz	9kHz	1		

^{*1} Set as K2 for except when the data for destination description is K1, E1, and E3.

*** ATTENTION**

A SUB WOOFER output signal is output irrespective of SP selector switch (ASP and BSP) ON/OFF setting

The RDS PTY AF search always corresponds to a span search of 100kHz. Therefore, a span search of 50 kHz cannot be performed.

CIRCUIT DESCRIPTION

6. TEST MODE

6-1. TEST MODE OF MAIN UNIT

(1) Setting the test mode

The main unit is put into the test mode when the AC power is turned ON while pressing the "TUNING DOWN" key. The following state is obtained when the test mode of the main unit is set.

- The power is turned ON automatically.
- All the fluorescent display indicators and LEDs light.
 (The all-illuminated state is cleared by pressing any main unit key.)
- The backup state except when the power is turned ON and OFF is initialized.

(2) Canceling the test mode

Turn OFF the AC power.

(3) Tuner functions

- Preset channel call function
- 1) Calls channels 1 to 9 (keys 1 to 9) and channel 10 (key 0) when the 10 key is not operated.
- 2) Calls channels 11 to 19 (keys 1 to 9) and channel 20 (key 0) when the +10 key is operated once.
- 3) Calls channels 21 to 29 (keys 1 to 9) and channel 30 (key 0) when the +10 key is operated two times and calls channels 31 to 39 (keys 1 to 9) and channel 40 (key 0) when the +10 key is operated three times.
- 4) Shifts to the operation obtained when the +10 key is not operated if it is operated four times.
- All turn-off function

Turns OFF and ON all the LEDs cyclically using the "MULTI MODE" key. This function is executed only when the SELECTOR mode is set to TUNER. In states other than TUNER, the original function of this key is executed.

Mute signal output

No Selector MUTE (MUTE 1) control regulation is done whatever.

(4) AMP function

The original function of each key is executed when the SELECTOR mode is set to TUNER. The test mode operation is not performed in this case.

FRONT VOLUME setting

Sets the maximum value (0 dB) of the front volume using the "AUTO" key.

Sets the minimum value ($-\infty$ dB) of the front volume using the "TAPE2" key.

BALANCE L/R setting

Sets the most left edge of the balance using the "BALANCE L" key.

Sets the center of the balance using the "MEMORY" key.

Sets the most right edge of the balance using the "BALANCE R" key.

• TEST TONE operation

Uses the "DIRECT" key instead of the "TEST TONE" key.

MUTE signal output

Sets the analog muting to OFF at all times. No control is performed in this case. Sets the analog muting to ON in the same way as during normal operation when the front volume is set to the minimum value $(-\infty dB)$.

• Impedance 4/8 selection

No impedance 4/8 display appears in the normal state. Therefore, the SPEAKERS lamp of the fluorescent display indicator is turned ON and OFF in the test mode.

The SPEAKERS lamp is turned on when the impedance is 4.

The SPEAKERS lamp is turned off when the impedance is 8.

6-2. SERIAL TEST MODE

(1) Setting the serial test mode

The unit is put into the serial test mode when a serial code "TEST ON" is input during the power-on sequence.

In the 8-bit serial test mode, serial code 71H is input.

In the 16-bit serial test mode, serial code C27FH is input.

• In the serial test mode, all remote control keys and ordinary serial codes are disabled. Only the panel keys perform the same operation as usually.

(2) Canceling the serial test mode

- The serial test mode is canceled to return to the ordinary mode by inputting a "TEST OFF" code. After the ordinary mode was returned, the serial mode is returned to the state before the test mode is entered. The backup operation is not initialized.
- The serial test mode is also canceled when the AC power is turned OFF.

(3) Cautions

- The serial test code is prescribed as a 16-bit code only.
- The operations below are inhibited in the serial test mode.

Manual tuning up/down operation Up/down selection in PTY selection mode

AF search in ATT ON state

The operations mentioned above cannot be guaranteed when they are performed in the serial test mode.

- An identical code is output when the setal test mode code is input.
- A TUNED ON/TUNED OFF code is only output.

CIRCUIT DESCRIPTION

(4) SERIAL TEST CODE LIST Table 6-1 Serial Test Code List

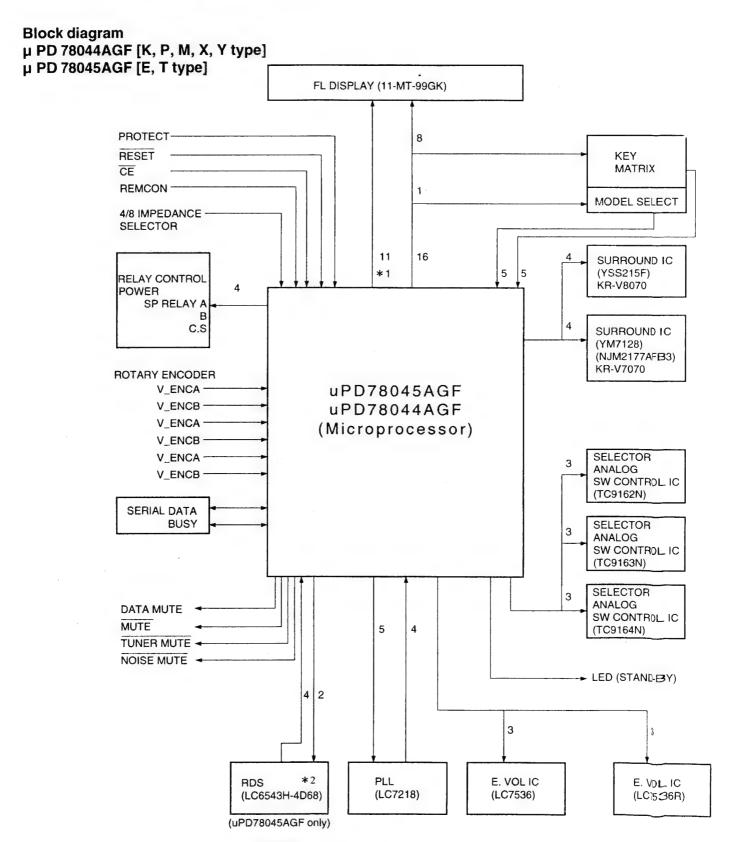
Serial test code	Description	Serial test code	Description
C200H	Turn OFF the power.	C298H	Perform the 8 key operation.
C201H	Turn ON the power.	C299H	Perform the 9 key operation.
C202H	Set the selector to PHONO.	C29AH	Perform the +10 key operation.
C203H	Set the selector to CD.	C29BH	Set the band FM.
C204H	Set the selector to TUNER.	C29CH	Set the band AM.
C205H	Set the selector to TAPE1.	C29EH	Perform the tuning DOWN operation.
C209H	Set the selector to VIDEO1.	C29FH	Perform the tuning UP operation.
C20AH	Set the selector to VIDEO2.	C2A0H	Set the TUNER MEMORY mode.
C20BH	Set the selector to VIDEO3.	C302H	Set the surround level to BYPASS.
C20CH	Set the selector to VIDEO4.	С303Н	Set the surround level to PRO LOGIC.
C20DH	Turn ON the analog muting.	C304H	Set the surround level to 3 STEREO.
C20FH	Turn OFF the analog muting.	C309H	Set the CENTER mode to NORMAL.
C216H	Set the line straight to OFF.	C30AH	Set the CENTER mode to WIDE BAND.
C217H	Set the line straight to ON.	С30ВН	Set the CENTER mode to PHANTOM.
C21EH	Set speaker A to OFF.	СЗОСН	Set the TEST TONE mode to OFF.
C21FH	Set speaker A to ON.	C30DH	Set the TEST TONE mode to ON.
C220H	Set speaker B to OFF.	C312H	Set the center level to the minimum value.
C221H	Set speaker B to ON.	C313H	Set the center level to the middle value.
C228H	Set the TAPE2 monitor to OFF.	C314H	Set the center level to the maximum value.
C229H	Set the TAPE2 monitor to ON.	C315H	Set the rear level to the minimum value.
C23FH	Set the NB circuit to ON.	C316H	Set the rear level to the middle value.
C240H	Set the NB circuit to OFF.	C317H	Set the rear level to the maximum value.
C247H	Set the balance channel L to the maximum value.	C318H	Set the delay time to the minimum value.
C248H	Set the balance channels L and R to the center value.	C319H	Set the delay time to the middle value.
C249H	Set the balance channel R to the maximum value.	C31AH	Set the delay time to the maximum value.
C279H	Set all turn-off mode of FLs and LEDs to OFF.	C31BH	Set the effect level to the minimum value.
C27AH	Set all turn-off mode of FLs and LEDs to ON.	C31CH	Set the effect level to the middle value.
C27BH	Set all turn-on mode of FLs and LEDs to OFF.	C31DH	Set the effect level to the maximum value.
C27CH	Set all turn-on mode of FLs and LEDs to ON.	СЗЗАН	Set the DSP mode to ARENA.
C27DH	Initializes the system	СЗЗВН	Set the DSP mode to JAZZ CLUB.
C27EH	Set the serial test mode to OFF.	СЗЗСН	Set the DSP mode to STADIUM.
C27FH	Set the serial test mode to ON (71H in 8-bit mode)	C34CH	Set the DSP LOGIC mode to LARGE.
C282H	Set the tuner muting to OFF.	C34DH	Set the DSP LOGIC mode to SMALL.
C283H	Set the tuner muting to ON.	C400H	Set the volume value to 0 dB.
C284H	Set the TUNER AUTO STEREO mode.	C401H	Set the volume value to -1 dB.
C285H	Set TUNER MONAURAL mode.	C402H	Set the volume value to -2 dB.
C286H	TUNED OFF code	C403H	Set the volume value to -3 dB.
C287H	TUNED ON code	C404H	Set the volume value to -4 dB.
C28FH	Set the TUNER DIRECT mode.	C405H	Set the volume value to -5 dB.
С290Н	Perform the 0 key operation.	C406H	Set the volume value to -6 dB.
C291H	Perform the 1 key operation.	C407H	Set the volume value to -7 dB.
C292H	Perform the 2 key operation.	C408H	Set the volume value to -8 dB.
C293H	Perform the 3 key operation.	C409H	Set the volume value to -9 dB.
C294H	Perform the 4 key operation.	C40AH	Set the volume value to -10 dB.

CIRCUIT DESCRIPTION

Serial test code	Description	Serial test code	Description
C295H	Perform the 5 key operation.	C40BH	Set the volume value to -11 dB.
C296H	Perform the 6 key operation.	C40CH	Set the volume value to -12 dB.
C297H	Perform the 7 key operation.	C40DH	Set the volume value to -13 dB.
C40EH	Set the volume value to -14 dB.	C42BH	Set the volume value to -43 dB.
C40FH	Set the volume value to -15 dB.	C42CH	Set the volume value to -44 dB.
C410H	Set the volume value to -16 dB.	C42DH	Set the volume value to -45 dB.
C411H	Set the volume value to -17 dB.	C42EH	Set the volume value to -46 dB.
C412H	Set the volume value to -18 dB.	C42FH	Set the volume value to -47 dB.
C413H	Set the volume value to -19 dB.	C430H	Set the volume value to -48 dB.
C414H	Set the volume value to -20 dB.	C431H	Set the volume value to -49 dB.
C415H	Set the volume value to -21 dB.	C432H	Set the volume value to -50 dB.
C416H	Set the volume value to -22 dB.	C433H	Set the volume value to -51 dB.
C417H	Set the volume value to -23 dB.	C434H	Set the volume value to -52 dB.
C418H	Set the volume value to -24 dB.	C435H	Set the volume value to -53 dB.
C419H	Set the volume value to -25 dB.	C436H	Set the volume value to -54 dB.
C41AH	Set the volume value to -26 dB.	C437H	Set the volume value to -55 dB.
C41BH	Set the volume value to -27 dB.	C438H	Set the volume value to -56 dB.
C41CH	Set the volume value to -28 dB.	C439H	Set the volume value to -57 dB.
C41DH	Set the volume value to -29 dB.	C43AH	Set the volume value to -58 dB.
C41EH	Set the volume value to -30 dB.	C43BH	Set the volume value to -59 dB.
C41FH	Set the volume value to -31 dB.	C43CH	Set the volume value to -60 dB.
C420H	Set the volume value to -32 dB.	C43DH	Set the volume value to -61 dB.
C421H	Set the volume value to -33 dB.	C43EH	Set the volume value to -62 dB.
C422H	Set the volume value to -34 dB.	C43FH	Set the volume value to -63 dB.
C423H	Set the volume value to -35 dB.	C440H	Set the volume value to -64 dB.
C424H	Set the volume value to -36 dB.	C441H	Set the volume value to -65 dB.
C425H	Set the volume value to -37 dB.	C442H	Set the volume value to -66 dB.
C426H	Set the volume value to -38 dB.	C443H	Set the volume value to -67 dB.
C427H	Set the volume value to -39 dB.	C444H	Set the volume value to -68 dB.
C428H	Set the volume value to -40 dB.	C445H	Set the volume value to -69 dB.
C429H	Set the volume value to -41 dB.	C446H	Set the volume value to -∞ dB.
C42AH	Set the volume value to -42 dB.		

CIRCUIT DESCRIPTION

7.Micro processer: µ PD 78044AGF (X14:IC1) µ PD 78045AGF

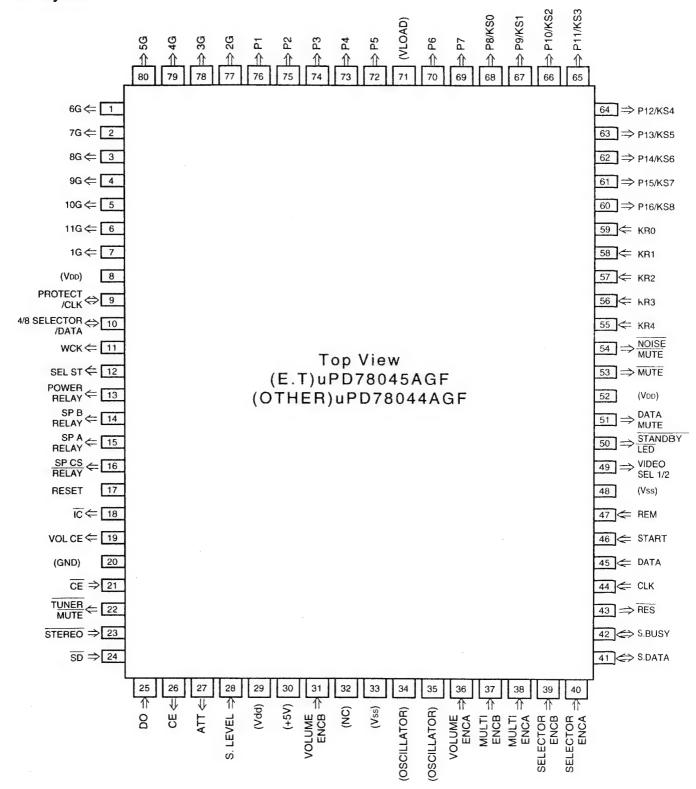


^{* 1} GRID to FL

^{*2} E3 Type (RDS feature installed) used RDS cync microprocessor (LC6543H-4D68).

CIRCUIT DESCRIPTION

Port layout



CIRCUIT DESCRIPTION

7.1 PIN FUNCTION

For pin numbers marked by an asterisk (*) the upper row is µPD78045AGF and the lower (__)row is µPD78044AGF.

Pin NO.	Pin name	Port I/O	Name	Description	Active
1	P94/FIP6	0	6G	FL grid 6	
2	P93/FIP5	0	7G	FL grid 7	
3	P92/FIP4	0	8G	FL grid 8	
4	P91/FIP3	0	9G	FL grid 9	
5	P90/FIP2	0	10G	FL grid 10	
6	P81/FIP1	0	11G	FL grid 11	
7	P80FIP0	0	1G	FL grid 1	
8	Vcc		VDD	Micro processor power supply	
9	P27/ SCK0	1/0	PROTECT/CLK	IN:Protection detection OUT:Control IC clock	L:ON
10	P26/S00/SB1	1/0	4/8 SELECT/DATA	IN:Speaker impedance selector OUT:Control IC data	H:8 L:4
11	P25/SI0/SB0	0	WCK	DSP IC address/data discrimination signal (YSS215/YM7218)	H:ADDRESS L:DATA
12	P24/BUSY	0	SEL ST.	Selector IC data definition signal	H:ADDRESS L:DATA
13	P23/STB	0	POWER RELAY	Power relay control	H:ON
14	P22/ SCK1	0	SP B RELAY	Speaker B relay control	H:ON
15	P21/S01	0	SP A RELAY	Speaker A relay control	H:ON
16	P20/SI1	0	SP CS RELAY	Surround speaker relay control	H:ON
17	RESET	ı	RESET	Microprocesser reset	L:RESET ON
18	P74	0	IC	DSP IC reset control (YSS215/YM7218)	L:RESET ON
19	P73	0	VOL CE	Volume IC address/data CE	H:ADDRESS L:DATA
20	A Vss		GND	A/D power supply (GND)	
21	P17/AN17	1	CE	Back up detection	L:BACK UP ON
22	P16/AN16	0	TUNER MUTE	Tuner mute control	L:MUTE ON
23	P15/AN15	1	STEREO	Stereo signal detection	L:STEREO ON
24	P14/AN14	ı	SD	Synchronized signal detection	
25	P13/AN13	ı	DO	IF count data (PLL DO)	
26	P12/AN12	0	CE (PLL)	PLL Chip enable control	H:OH
* 27	P11/AN11	0	ATT (RDS)	Attenuate control	H:ON
* 28	P10/AN10	.1	S.LEVEL (RDS)	Signal level	H:ON
29	A Vcc		VDD	A/D power supply	
30	A Vref		+5V	A/D reference voltage	
31	P04/XT1	ł	VOLUME ENCB	Volume encoder input B	L:ON
32	XT2		NC		
33	Vss		Vss	Microprocesser power supply	
34	X1		osc	4.19MHz oscillator	
35	X2		osc	4.19MHz oscillator	
36	P37	ı	VOLUME ENCA	Volume encoder input A	L:ON
37	P36/BUZ	ı	MULTI ENCB	Multi level encoder input B	L:ON
38	P35/PCL	1	MULTI ENCA	Multi level encoder input A	L:ON
39	P34/T12	1	SELECTOR ENCB	Selector encoder input B	L:ON
40	P33/T11	i	SELECTOR ENCA	Selector encoder input A	L:ON
41	P32/T02	1/0	S. DATA	8/16 bit system data	
42	P31/T01	1/0	S. BUSY	8/16 bit system busy	H:BUSY L:READY
* 43	P30/T00	0	RES (RDS)	RDS IC reset signal	L:RESET ON
* 44	P03/INTP3/C10		CLK (RDS)	RDS clock	

CIRCUIT DESCRIPTION

Pin NO.	Pin name	Port I/O	Name	Description	Active
* 45	P02/INTP2	ı	DATA (RDS)	RDS data	Adire
* 46	P01/INTP1	1	START (RDS)	RDS data start signal	L:START
47	P00/INTP0	1	REM	Remote control input	
48	IC		Vss		
49	P72	OUT	VIDEO SEL 1/2	Video selector	H:V 1,4 L:V 2,3
50	P71	OUT	STANDBY LED	Standby LED	L:LED ON
51	P70	OUT	DATA MUTE	Data mute	H:MUTE ON
52	Vcc		Vcc	Microprocesser power supply	
53	P127/FIP33	OUT	MUTE	Analog mute control	L:MUTE ON
54	P126/FIP32	OUT	NOISE MUTE	Noise mute control	L:MUTE ON
55	P125/FIP31	IN	KR4	Key return 4	
56	P124/FIP30	IN	KR3	Key return 3	
57	P123/FIP29	IN	KR2	Key return 2	
58	P122/FIP28	IN	KR1	Key return 1	
59	P121/FIP27	IN	KR0	Key return 0	
60	P120/FIP26	OUT	P16/KS8	FL segment 16/key scan 8	
61	P117/FIP25	OUT	P15/KS7	FL segment 15/key scan 7	
62	P116/FIP24	OUT	P14/KS6	FL segment 14/key scan 6	
63	P115/FIP23	OUT	P13/KS5	FL segment 13/key scan 5	
64	P114/FIP22	OUT	P12/KS4	FL segment 12/key scan 4	
65	P113/FIP21	OUT	P11/KS3	FL segment 11/key scan 3	
66	P112/FIP20	OUT	P10/KS2	FL segment 10/key scan 2	
67	P111/FIP19	OUT	P9/KS1	FL segment 09/key scan 1	
68	P110/FIP18	OUT	P8/KS0	FL segment 08/key scan 0	
69	P107/FIP17	OUT	P7	FL segment 01	
70	P106/FIP16	OUT	P6	FL segment 02	
71	V load		V load	FL drive power supply	
72	P105/FIP15	OUT	P5	FL segment 03	
73	P104/FIP14	OUT	P4	FL segment 04	·
74	P103/FIP13	OUT	P3	FL segment 05	
75	P102/FIP12	OUT	P2	FL segment 06	
76	P101/FIP11	OUT	P1	FL segment 07	
77	P100/FIP10	OUT	2G	FL grid 2	
78	P97/FIP9	OUT	3G	FL grid 3	
79	P96/FIP8	OUT	4G	FL grid 4	
80	P95/FIP7	OUT	5G	FL grid 5	

The RDS PTY AF search always corresponds to a span search of 100kHz. Therefore, a span search of 50 kHz cannot be performed.

CIRCUIT DESCRIPTION/ADJUSTMENT

8 KEY MATRIX

Table 8-1 Key Matrix List

KRT KSCN	N KRO	KR1	KR2	KR3	KR4
KS0	7 (10KEY)	6 (10KEY)	N. B. CIRCUIT	PRO LOGIC	DIRECT
KS1	8 (10KEY)	5 (10KEY)	SP. B	LINE STRAIGHT	MEMORY
KS2	9 (10KEY)	4 (10KEY)	SP. A	BALANCE L	PTY *2
KS3	0 (10KEY)	3 (10KEY)	CENTER MODE	BALANCE R	AF *2
KS4	+10	2 (10KEY)	DSP		BAND
KS5		1 (10KEY)	DSP LOGIC		TUNER DOWN
KS6	AUTO/MANUAL	POWER	3 STEREO	VISUAL FIX *1	TUNER UP
KS7	DISPLAY *2			MULTI LEVEL MODE	TAPE 2
KS8	DSW0 *5	DSW1 *5	DSW2 *5	DSW3 *3	DSW4 *4

^{*1} For KR-V8070 only.

8.1 Model Discrimination List

 KS8 and KR3 are used as a DSW switch for model discrimination. Each data is shown in the table below. Each model is discriminated only during reset initialization simultaneously with the discrimination of the destination.

Table 8-2 Model Discrimination List

Model	DSW	DSW3 (D26)
KR-V8070		0
KR-V7070		1

 KS8 and KR4 are used for the operation selection of 8- or 16- bit serial data. The 8- and 16- bit serial data are selected only during reset initialization.

Table 8-3 8-/16- bit Selection

	DSW4
Serial cord	
8- bit serial	0
16- bit serial	1

ADJUSTMENT

ENGLISH (E, T TYPE)

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
	FMSECTION	SE	LECTOR:FM				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±40kHz dev.(E,T type) 60dBµ(ANT input)	Connect a DC voltmeter between TP3 and TP4 (X05-)	AUTO or MONO 98.0MHz	1.3 (X05-)	OV	(a)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:±6kHz dev. (E,T type) 60dBµ(ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(a)
AU	DIO SECTION						
<1>	IDLE CURRENT		(E) Connect a DC voltmeter across CP1(L) CP2(R) CP3(CENTER) CP4(REAR)	Volume:0	VR1(L) VR2(R) VR3(CENTER) VR4(REAR) (X07-)	22mV	(b)

^{*2} The destination is E3 type only. For another destination, there is no key. (RDS function)

^{*3} Used for description of each model.

^{*4} Used for operation selector of 8- or 16- bit serial data.

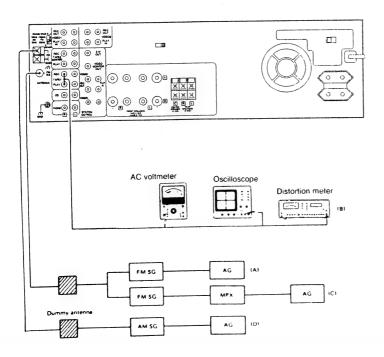
^{*5} Used for discrimination of the destination. (Refer to the Destination List of Tuner in Table 5-1.)

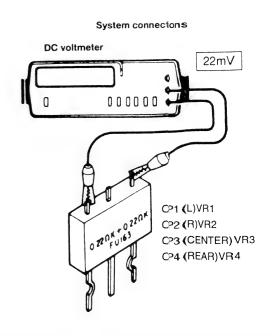
ADJUSTMENT/AJUSTES

ESPANÓL (E, T TYPE)

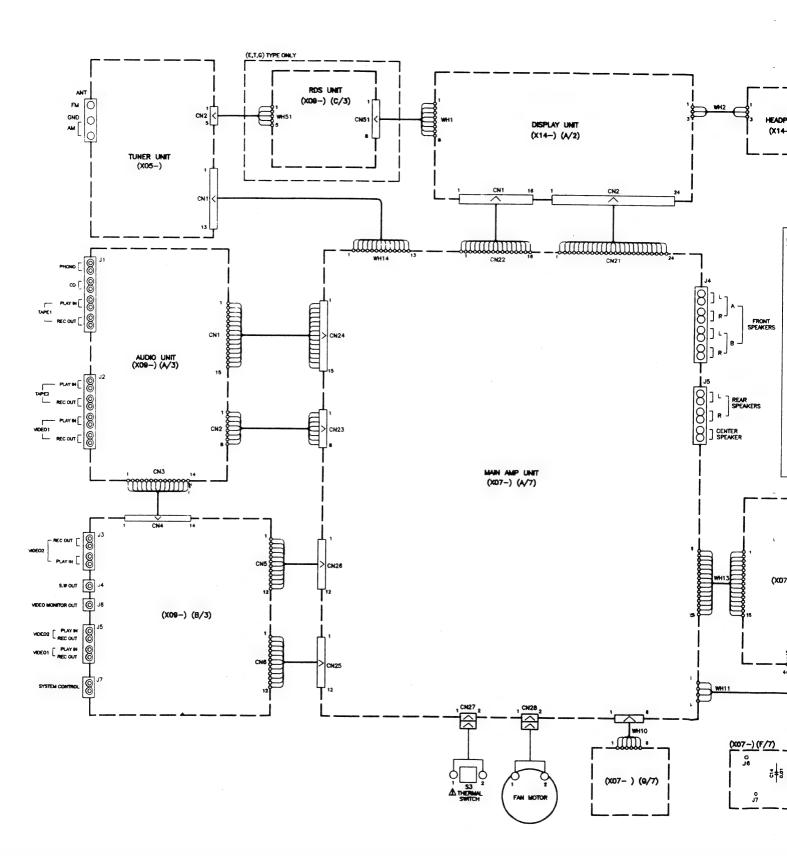
ESP/	ANOL (E, T TYPE			I		11 11 E 1 O 1 Ó 1 I	T
Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
S	ECCIÓN DE FM	SE	LECTOR;FM				•
1	DISCRIMINADOR	(A) 98.0MHz 1kHz,±40kHz dev.(E,T type) 60dBµ(Entrada de antena)	Conecte un voltíbetro de CC entre TP3 y TP4 (X05-)	AUTO or MONO 98.0MHz	1.3 (X05-)	0V	(a)
2	DISTORSIÓN (ESTÉREO)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:±6kHz dev. (E,T type) 60dBu(Entrada de antena)	(B)	AUTO 98.0MHz	IFT (W02-)	Distorsión mínima.	(a)
A	menos que se espec	cifique otra cosa, los contro	oles individuales deb	erán ajustrarse (de la forma sigu	fiente:	
	POWER:ON		TOR:PHONO				
1	OCIOSA CORRIENTE	-	Conecte un voltimetro de CC entre CP1(L) y CP2(R) y CP3(CENTER) y CP4(REAR)	Volume:0	VR1(L) VR2(R) VR3(CENTER) VR4(REAR) (X07-)	22mV	(b)

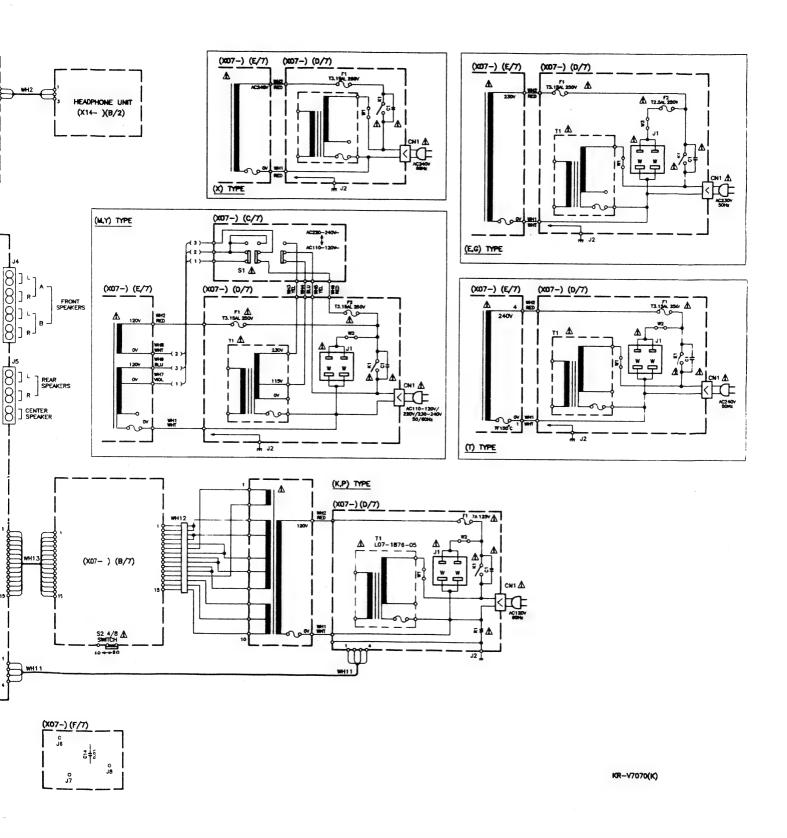
(a) (b)





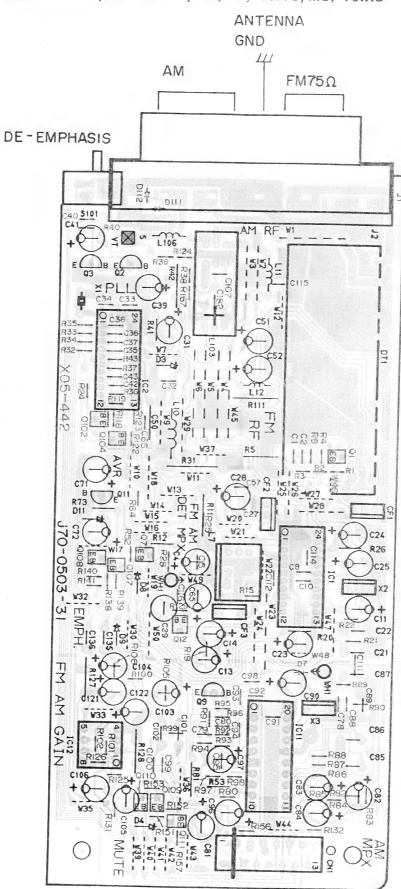
WIRING DIAGRAM



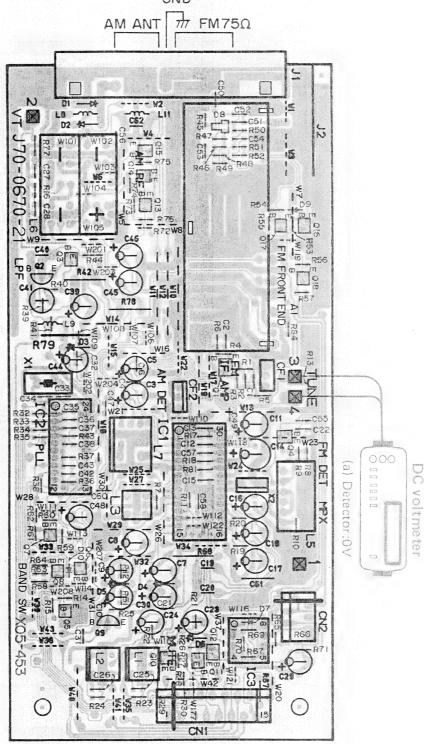


PC BOARD (Component side view)

TUNER UNIT (X05-4460-13):KS, PS, -23:YS, MS, -73:XS

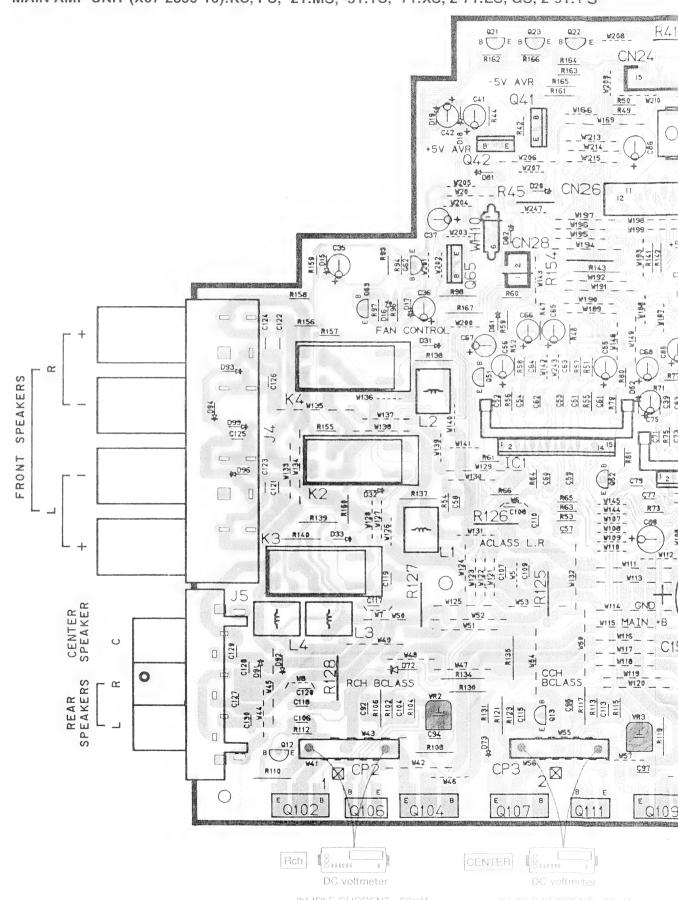


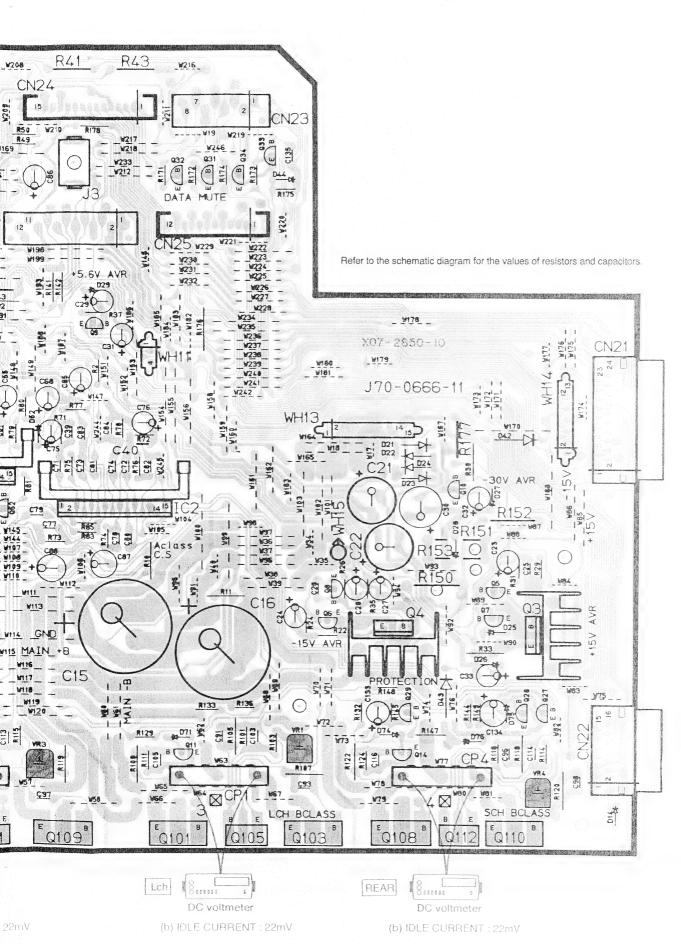
ANTENNA GND



Refer to the schematic diagram for the values of resistors and capacitors.

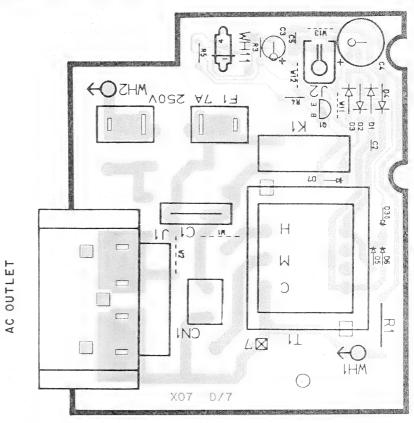
MAIN AMP UNIT (X07-2850-10):KS, PS, -21:MS, -51:TS, -71:XS, 2-71:ES, GS, 2-91:YS

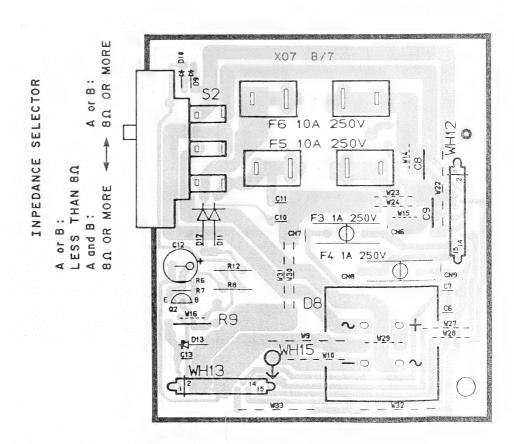




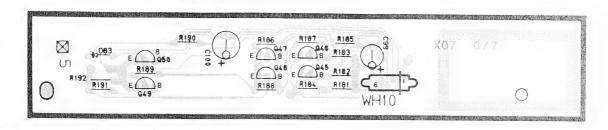
PC BOARD (Component side view)

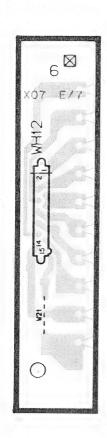
MAIN AMP UNIT (X07-2850-10):KS, PS, -21:MS, -51:TS, -71:XS, 2-71:ES, GS,

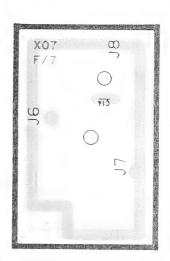


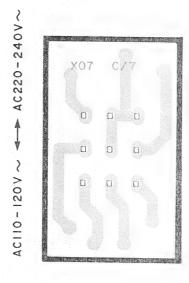


2-71:ES, GS, 2-91:YS





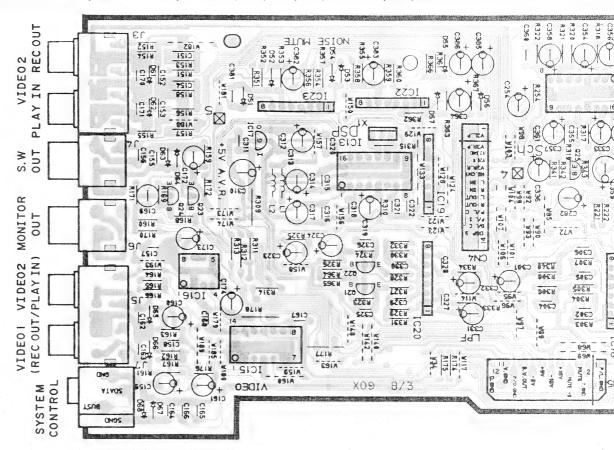


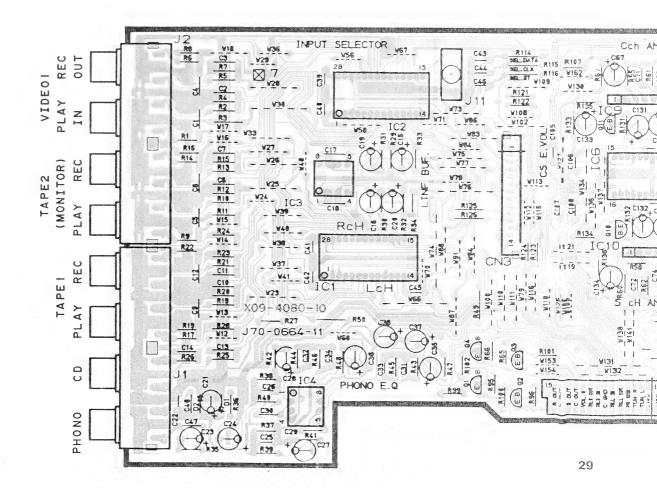


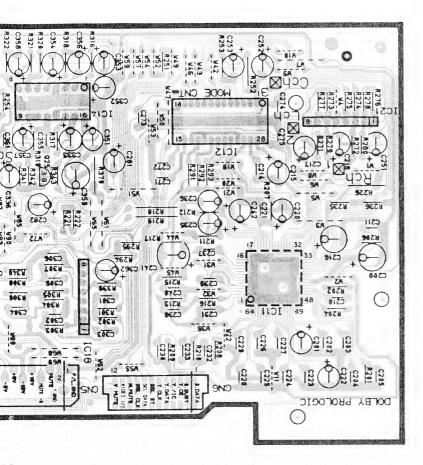
A0

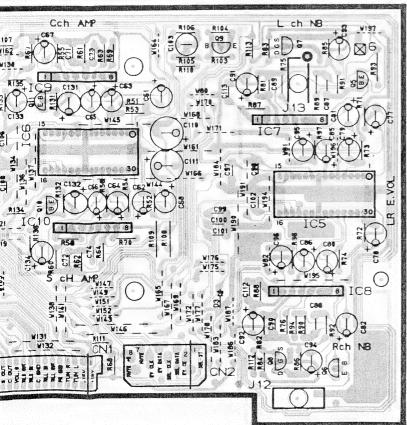
PC BOARD (Component side view)

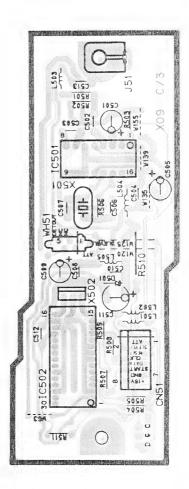
AUDIO UNIT (X09-4080-10):KS, PS, YS, MS, XS, 2-71:TS, ES, GS





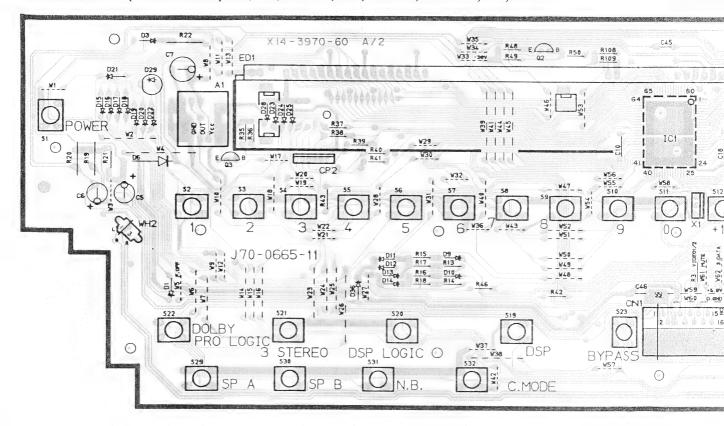


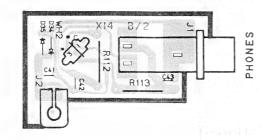




PC BOARD (Component side view)

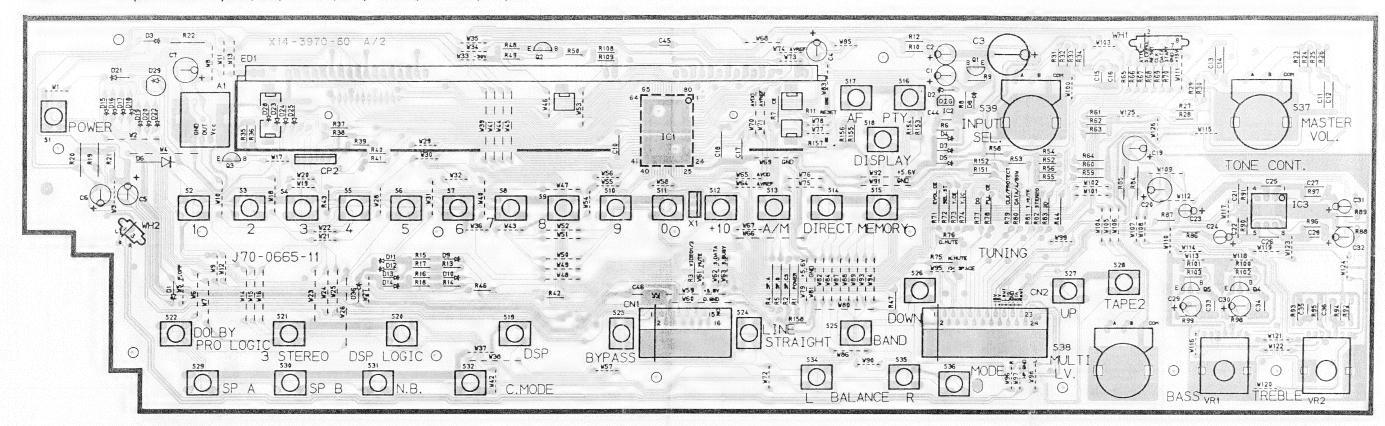
DISPLAY UNIT (X14-3970-10):KS, PS, -21:YS, MS, -71:XS, 2-71:TS, ES, GS



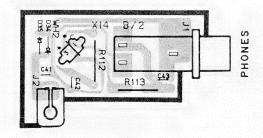


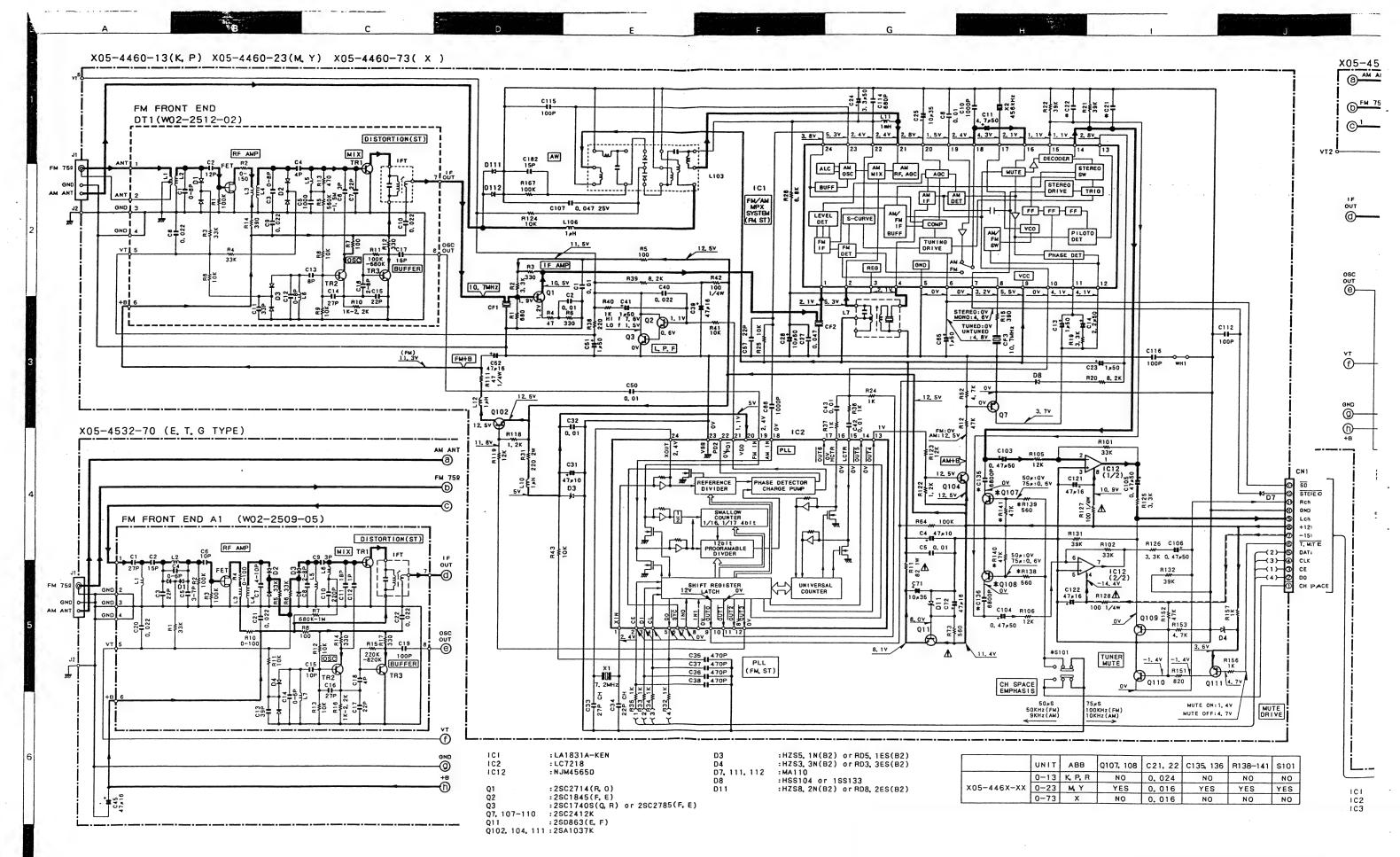
PC BOARD (Component side view)

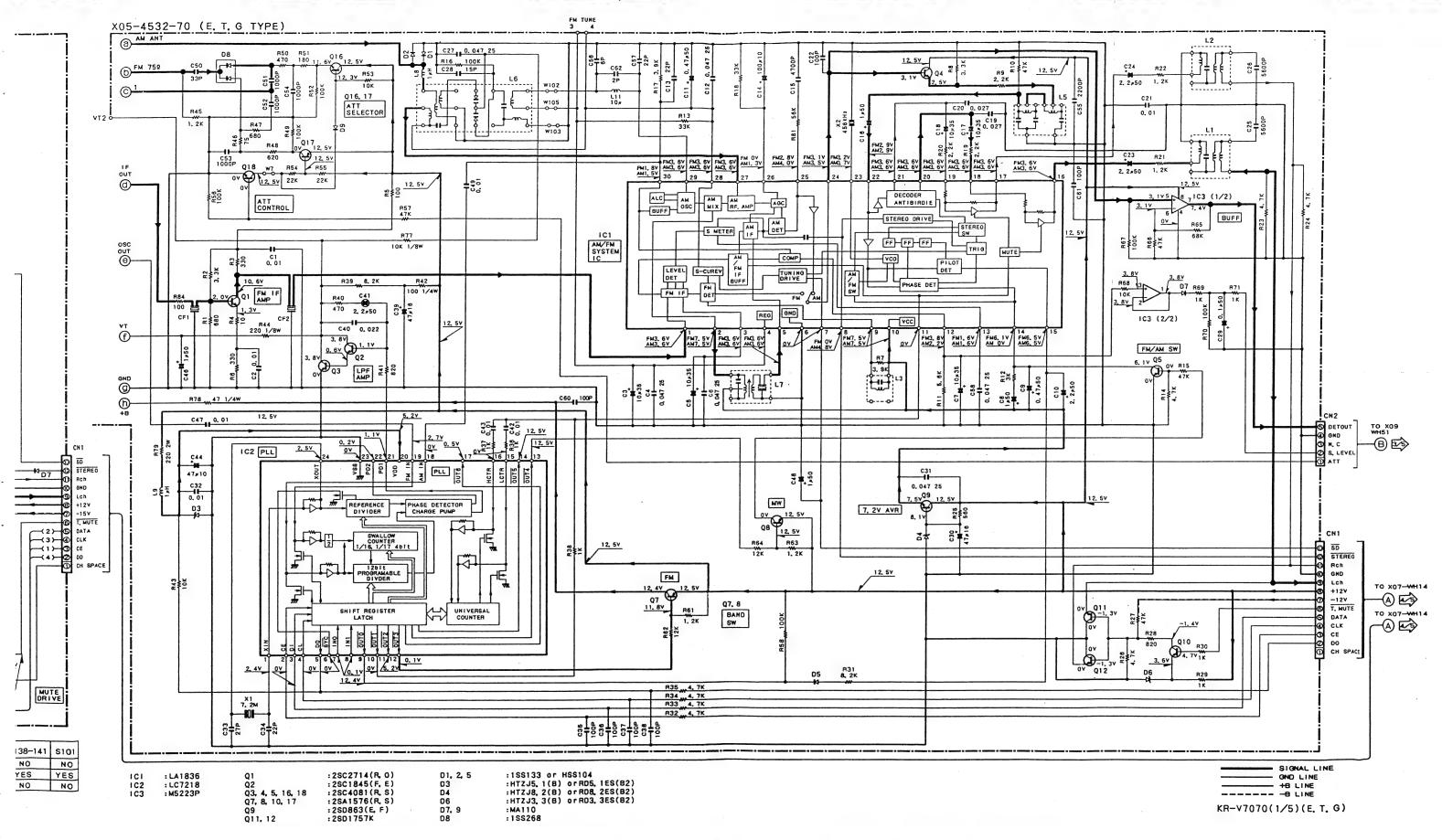
DISPLAY UNIT (X14-3970-10):KS, PS, -21:YS, MS, -71:XS, 2-71:TS, ES, GS



Refer to the schematic diagram for the values of resistors and capacitors.



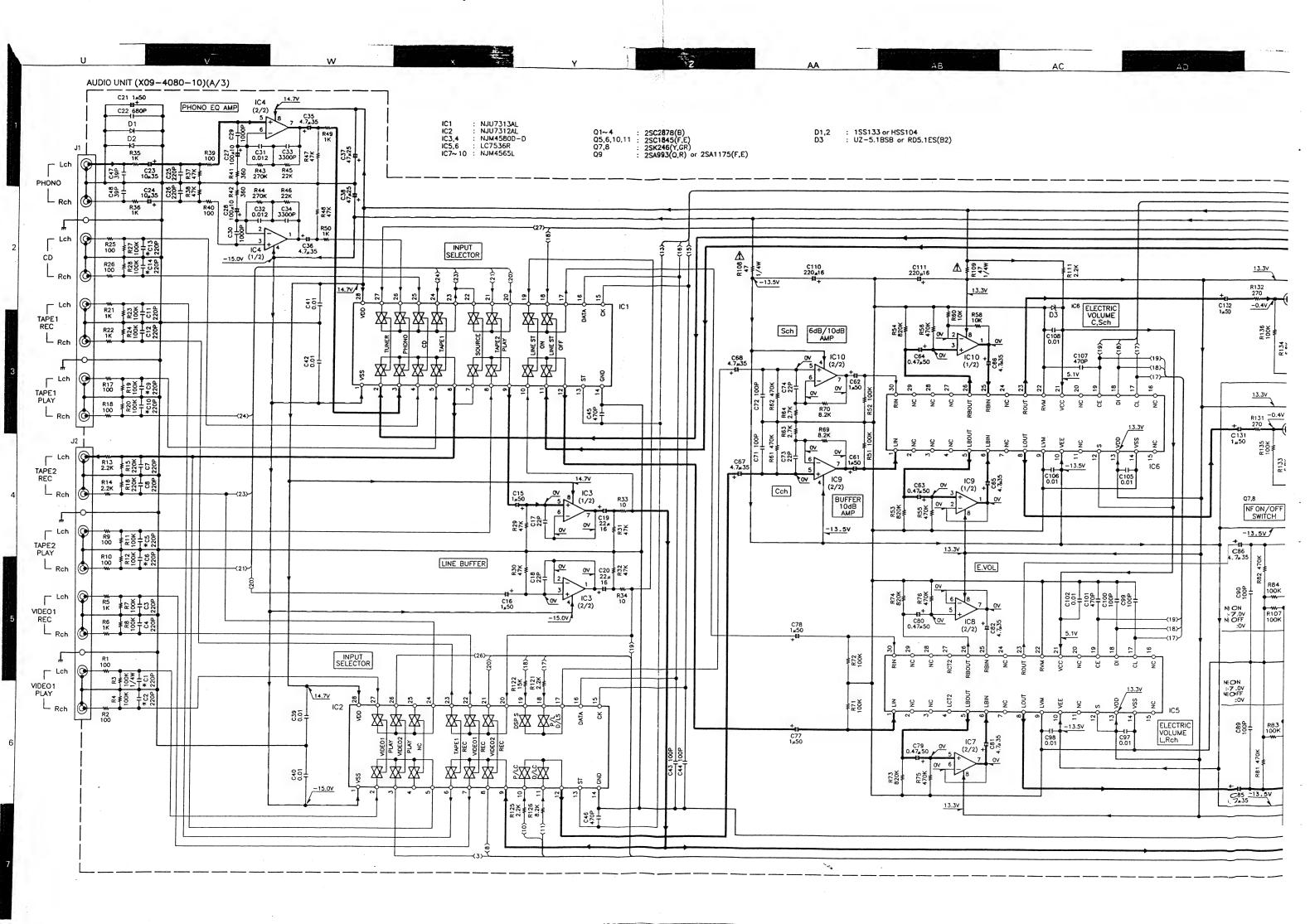


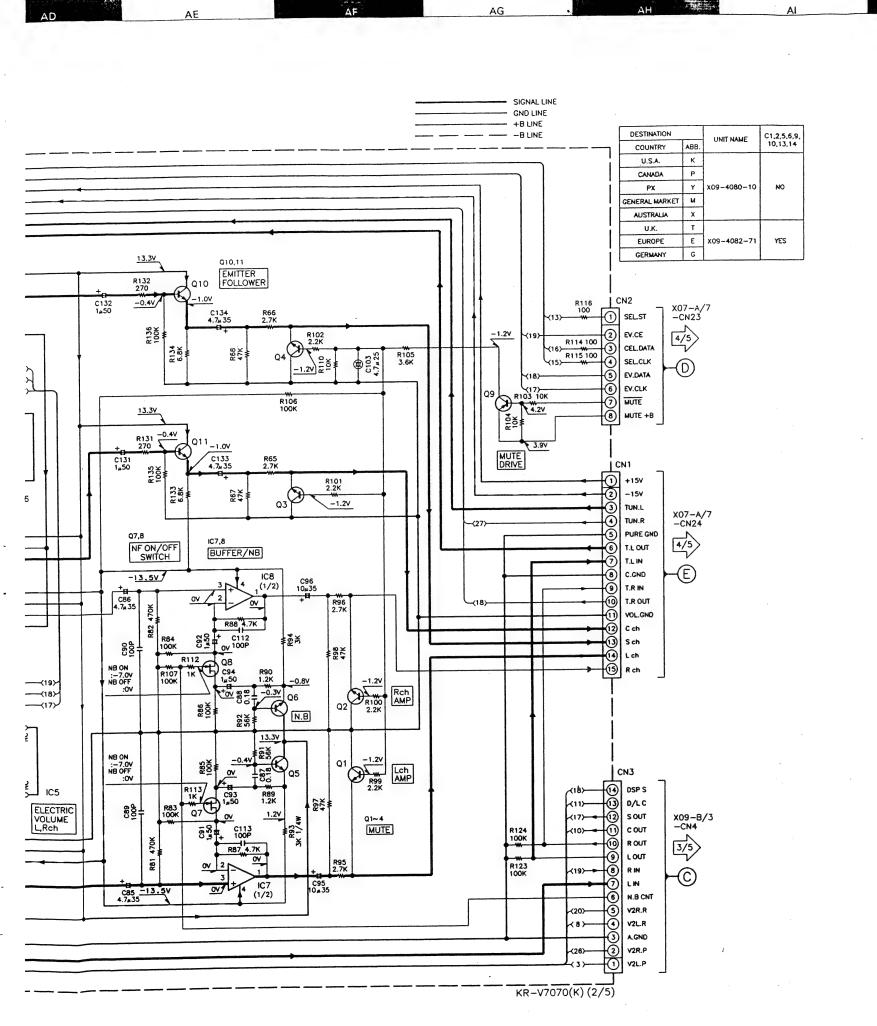


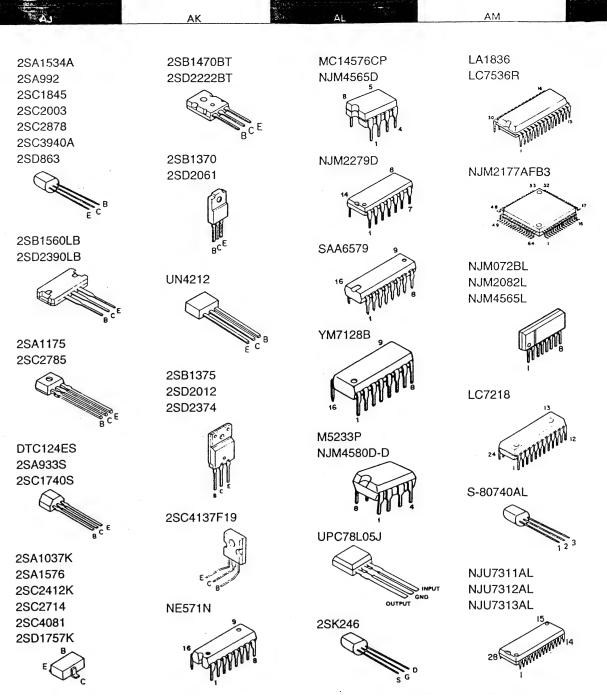
ed with a high impedance voltmeter. o variations between individual instru-

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). A indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.









DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

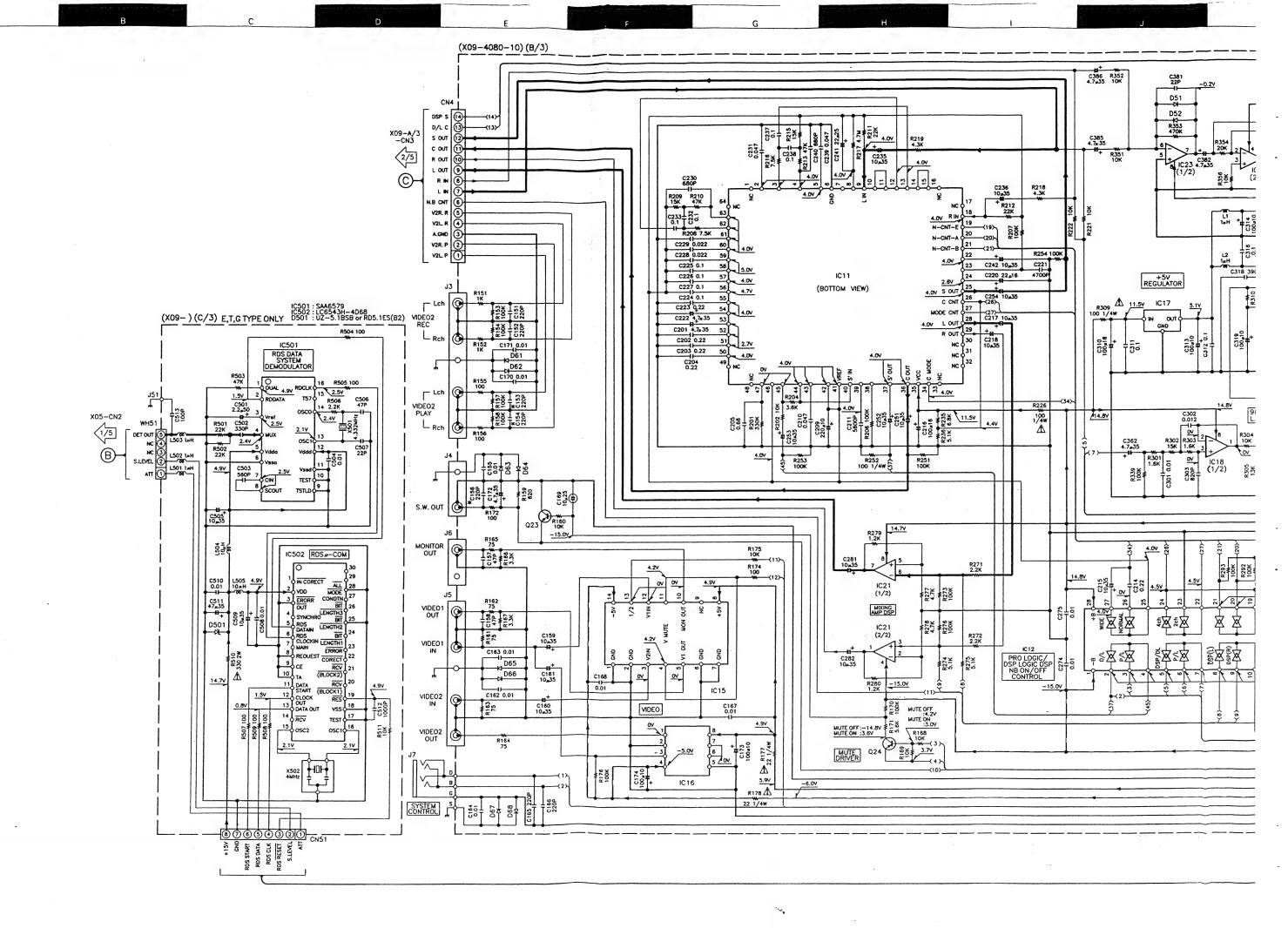
Les tensions c.c. doivent être mesurées avec un loit trait et à haute impédance: Les valeurs peuvent différer légèrenent du fait des variations inhérentes aux appareils et aux instrunents de mesure individuels.

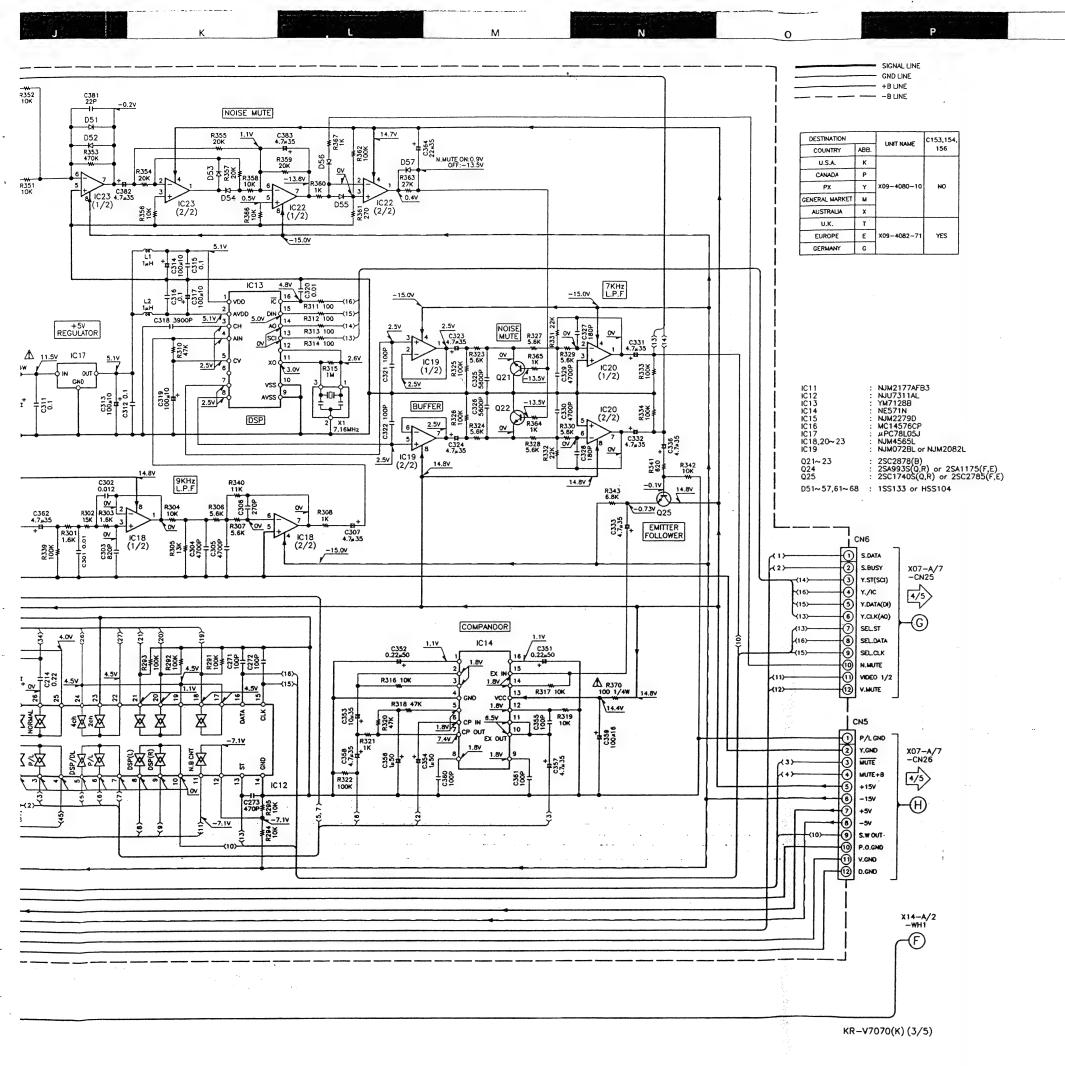
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabe schwanken die Meßwerte aufgrund von Unterschieden zwischene nzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace stety critical components only with manufacturer's recommended parts (refer to parts list). \(\frac{\Lambda}{\Lambda}\) indicates safety critical components. To reduce the risk of electric shock, leakage-or rent or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) befire the appliance is returned to the customer.

2/5







DC voltages are as measured with a high impedance voltmelar. Values may vary slightly due to variations between individual instuments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haite impédance. Les valeurs peuvent différer légèrement du fait és variations inhérentes aux appareils et aux instruments de mesure individuels.

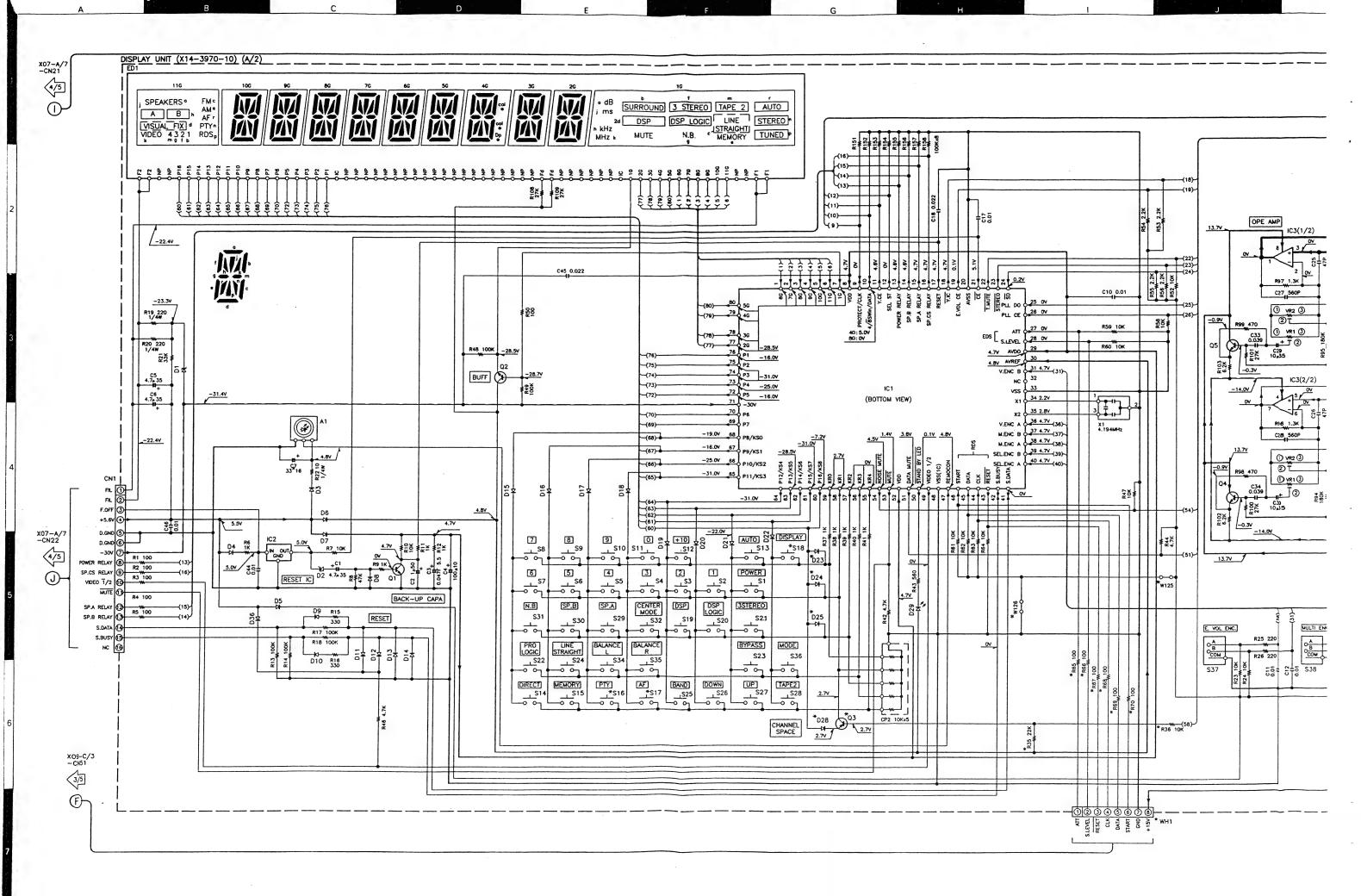
Die angegebenen Gleichspannungswerte wurden mit einem lochohmigen Spannungsmesser gemessen. Dabei schwanken @e Meßwerte aufgrund von Unterschieden zwischen einzelnen Instumenten oder Geräten u. U. geringfügig.

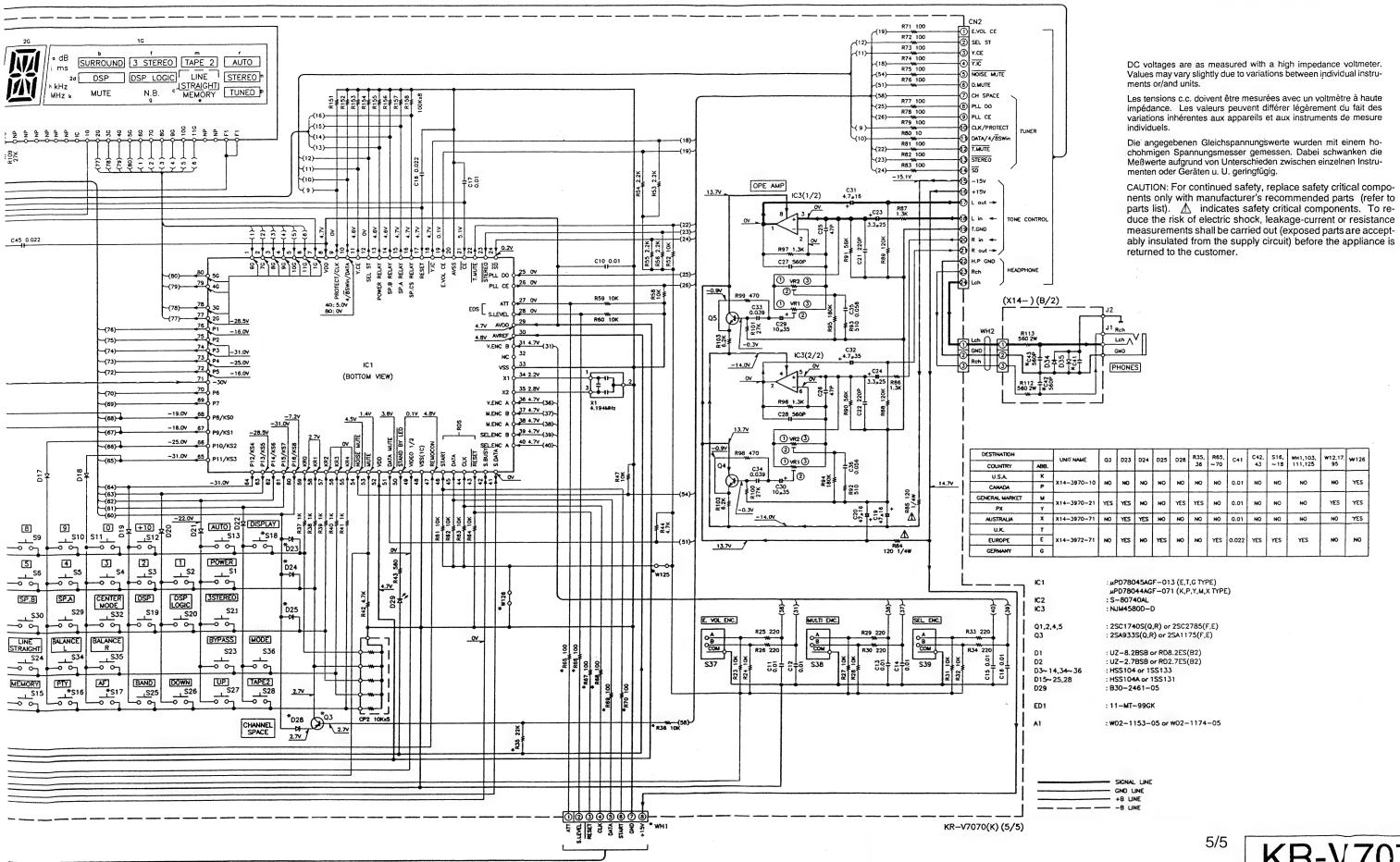
CAUTION: For continued safety, replace safety critical conponents only with manufacturer's recommended parts (rebr to parts list). A indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are aceptably insulated from the supply circuit) before the appliance is returned to the customer.

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Y05-2960-10





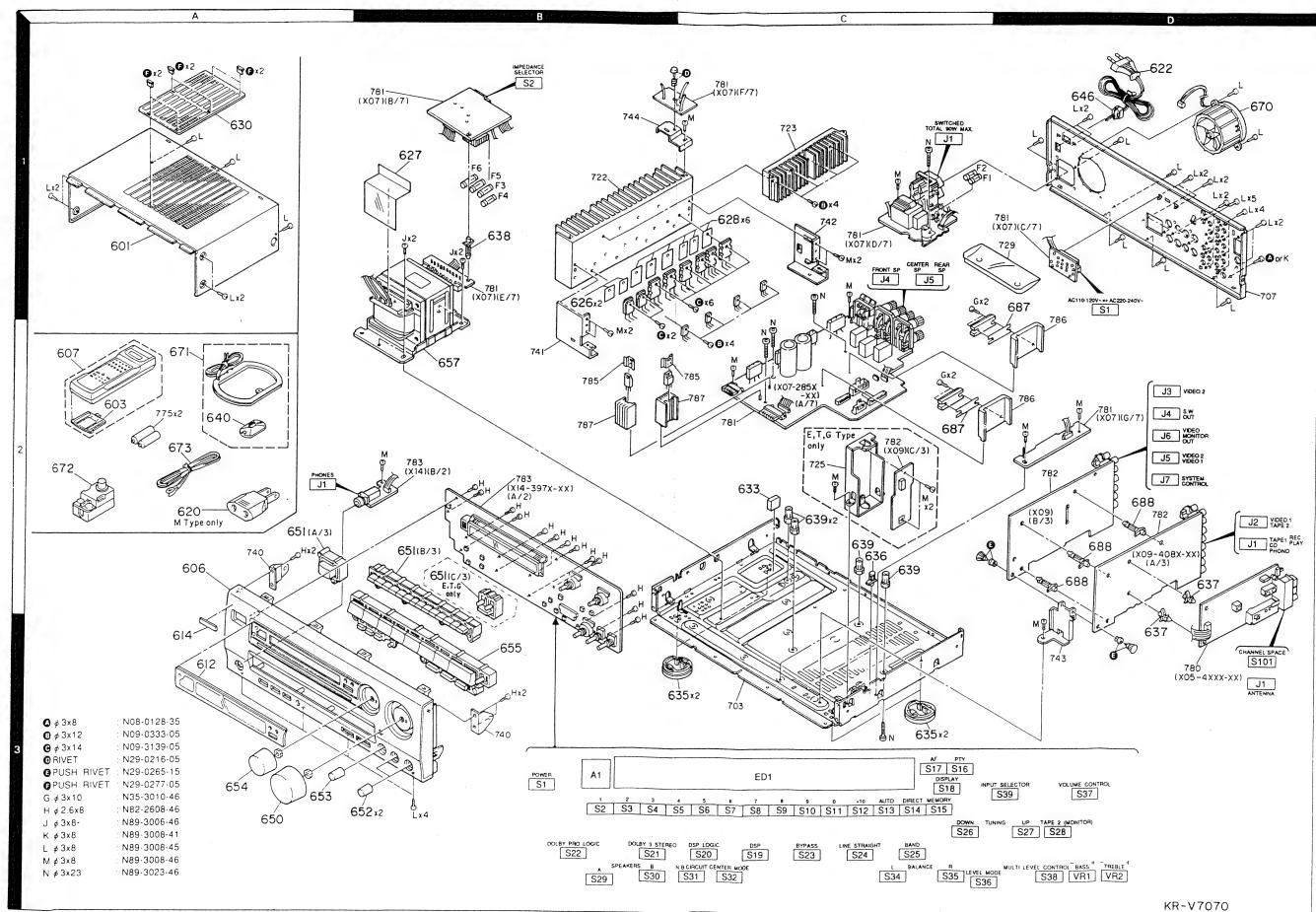


KR-V7070

Y05-2960-10

KR-V7070

EXPLODED VIEW



Parts without Parts No. are not supplied. Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

No.1

Ref. No.	Address	New Parts	Parts No.	Description	nation m	
参照番号	位 置	新	部品番号	部品名/規格	仕 向加	1
			KF	R-V7070		
601 603 606 606 607	1 A 2 A 2 A 2 A 2 A	* * * * * *	A01-3192-01 A09-0194-08 A60-0661-11 A60-0722-11 A70-1008-05	METALLIC CABINET BATTERY COVER PANEL PANEL REMOTE CONTROLLER ASSY(-R0704)	KPYMX TEG KPYMX	
607	2A	*	A70-1009-05	REMOTE CONTROLLER ASSY(-R0705)	TEG	
612 612 614	3A 3A 3A	* *	B03-2924-13 B03-2925-13 B43-0267-04 B46-0092-43 B46-0096-53	DRESSING PLATE DRESSING PLATE KENWOOD BADCE WARRANTY CARD WARRANTY CARD	KPYMX TEG KY	
- - -		*	B46-0121-33 B46-0197-00 B46-0310-03 B58-0513-04 B58-0964-13	WARRANTY CARD QUESTIONAIRE CARD WARRANTY CARD CAUTION CARD (PRESET220-240) CAUTION CARD (UL)	P K TEG Y KY	
-		* * *	B58-0965-13 B58-0966-13 B58-0967-03 B58-0970-13 B59-1104-00	CAUTION CARD (P,T,X) CAUTION CARD (ELM) CAUTION CARD CAUTION CARD SERVICE DIRECTORY	XT ME P G Y	
-		* * * *	B60-1870-00 B60-1871-00 B60-1872-00 B60-1873-00 B60-1874-00	INSTRUCTION MANUAL (ENGLISH) INSTRUCTION MANUAL (FRENCH) INSTRUCTION MANUAL (SPA, CHI) INSTRUCTION MANUAL (ENGLISH) INSTRUCTION MANUAL (FRE, DUT)	KPYMX P M TE E	
-		* *	B60-1875-00 B60-1877-00 B60-2083-00	INSTRUCTION MANUAL (GERMANY) INSTRUCTION MANUAL (ITA,SPA) INSTRUCTION MANUAL (TAIWANESE)	EG E M	
620 622 622 622 622	2A 1D 1D 1D 1D		E03-0115-05 E30-2592-15 E30-2605-05 E30-2650-05 E30-2717-05	AC PLUG ADAPTOR AC POWER CORD AC POWER CORD AC POWER CORD AC POWER CORD	M MEG Y KP X	
622	1 D		E30-2721-05	AC POWER CORD	Т	
626 627 628 630	1B 1B 1C 1A	*	F20-1297-05 F20-1301-04 F20-1322-05 F20-1433-03	INSULATING SHEET INSULATING BOARD INSULATING BOARD INSULATING BOARD	T M	
633	2C	*	G11-2191-04	CUSHION		
-		* * * *	H50-1317-14 H50-1318-14 H50-1320-14 H10-5915-02 H10-5915-02	ITEM CARTON CASE ITEM CARTON CASE ITEM CARTON CASE ITEM CARTON CASE POLYSTYRENE FOAMED FIXTURE(L) POLYSTYRENE FOAMED FIXTURE(L)	KPYXEG M T KPYMXE G	
-		*	H10-5916-12 H10-5916-12 H10-5917-02 H10-5918-02	POLYSTYRENE FOAMED FIXTURE(R) POLYSTYRENE FOAMED FIXTURE(R) POLYSTYRENE FOAMED FIXTURE(L) POLYSTYRENE FOAMED FIXTURE(R)	KPYMXE G T T	

L:	Scandinavia
Y:	PX (Far East, Hawaii)
Y:	AAFES (Europe)

K: USA iii) T: England X: Australia

P: Canada E: Europe M: Other Areas

R: Mexico G: Germany

★ New Parts

TUNER UNIT

UNIT NO.	Destination
X05-4460-13	KS, PS
X05-4460-23	YS, MS
X05-4460-73	XS

TUNER UNIT

UNIT NO.	Destination
X05-4532-70	TS, ES, GS

MAIN AMP UNIT

UNIT NO.	Destination
X07-2850-10	KS, PS
X07-2850-21	MS
X07-2850-51	TS
X07-2850-71	XS
X07-2852-71	ES, GS
X07-2852-91	YS

AUDIO UNIT

UNIT NO.	Destination
X09-4080-10	KS, PS, YS, MS, XS
X09-4082-71	TS, ES, GS

DISPLAY UNIT

UNIT NO.	Destination
X14-3970-10	KS, PS
X14-3970-21	YS, MS
X14-3970-71	XS
X14-3972-71	TS, ES, GS

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Telle onne Parts No. werden nicht geliefert.

No.2

Ref. No.		Vew	Parts No.	Description	Desti-	Ro-
多無照 卷	位置	#	部品書号	部品名/規格	nation	mairk
- - -		1	H25-0232-04 H25-0232-04 H25-0651-04 H25-1516-04	PROTECTION BAG (235X350X0.03) PROTECTION BAG (235X350X0.03) PROTECTION BAG (0232 PRINTED) PROTECTION BAG	KPYMXE G T	
635 636 637 638 639	3C 2C 2D,3D 1B 2C		J02-1122-05 J19-2536-05 J19-3324-15 J19-3329-05 J19-3752-14	FOOT (46mm) UNIT HOLDER UNIT HOLDER UNIT HOLDER UNIT HOLDER		
640 646 -	2A 1D	- 13	J19-3645-05 J42-0083-05 J61-0307-05	LOOP ANTENNA STAND POWER CORD BUSHING WIRE BAND		
650 651 652 653 654	3A 2A, 2B 3B 3A 3A	1	K29-5851-04 K29-6039-02 K29-6041-04 K29-6042-04 K29-6043-04	KNOB (VOLUME CONTROL) KNOB (POWER/10KEY/RDS) KNOB (BASS, TREBLE) KNOB (MULTI LEVEL CONTROL) KNOB (INPUT SELECTOR)		
655	3B	* 1	K29-6045-02	KNOB		
657 657 657 657	2B 2B	* [L07-1842-05 L07-1844-05 L07-1845-05 L07-1846-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	KP YM X TEG	
A B C D E	1D 1C,2C 1B,1C 1C 2D,3D	1 1	N08-0128-35 N09-0333-05 N09-3139-05 N29-0216-05 N29-0265-15	BINDING POST (GND) TAPPING SCREW (3X12) TAPTITE SCREW (3X14) RIVET PUSH RIVET	YMXTEG	
F H J K L	1A 2B,3B 1B 1D 1D,3B	V V	N29-0277-05 N82-2608-46 N86-3006-46 N89-3008-41 N89-3008-45	PUSH RIVET BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW	M KP	
M N	1C,2D 1C,3C		189-3008-46 189-3023-46	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW		
670 671 672 673	1 D 2 A 2 A 2 A	T	749-0025-02 790-0195-05 790-0198-05 790-0801-05	MOTOR ASSY LOOP ANTENNA ASSY ANTENNA ADAPTOR LEAD WIRE ANTENNA		
01 0			TUNER UNIT	「(X05-4460-XX)		
C1 ,2 C4 C5 C8 C10		CCC	K73FB1H103K E04LW1A470M K73FB1H103K K73FB1H103K K73FB1H102K	CHIP C 0.010UF K ELECTRO 47UF 10WV CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 1000PF K	KPYMX KPYMX KPYMX KPYMX KPYMX	
C11 C13 C14 C21 ,22 C21 ,22		CCC	E04LW1H4R7M E04LW1H010M E04LW1H2R2M Q92FM1H163J Q92FM1H243J	ELECTRÓ 4.7UF 50WV ELECTRO 1.0UF 50WV ELECTRO 2.2UF 50WV MYLAR 0.016UF J MYLAR 0.024UF J	KPYMX KPYMX KPYMX YMX KP	
C23 C24 C25 C27		C	E04LW1H010M E04LW1H3R3M E04LW1V100M K73FB1E473K	ELECTRO 1.0UF 50WV ELECTRO 3.3UF 50WV ELECTRO 10UF 35WV CHIP C 0.047UF K	KPYMX KPYMX KPYMX KPYMX	

L:	Scandir	navia	
	PX (Far		
γ:	AAFES	(Euro	pe)

K: USA T: England

X: Australia

P: Canada E: Europo

R: Mexico e: Germany

M: Other Areas

A indicates safety critical components

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht gellefert.

No.3

Ref. No. 参照者号	Address 位 置	New Parts 新			No		部		Scription 名/規	格			Re ma
C28 C31 C32 C33 C34			CE04L CE04L CK73F CC73F CC73F	W1A B1H CH1	470 103 H27	M K OJ	ELECTRO ELECTRO CHIP C CHIP C CHIP C		10UF 47UF 0.010UF 27PF 22PF	35 10 K J J		KPYMX KPYMX KPYMX KPYMX KPYMX	
C35 -38 C39 C40 C41 C42 ,43			CK73F CE04L CK73F CE04L CK73F	W1C B1H W1H	470 223 010	M K M	CHIP C ELECTRO CHIP C ELECTRO CHIP C		470PF 47UF 0.022UF 1.0UF 0.010UF	K 16 K 50 K		KPYMX KPYMX KPYMX KPYMX KPYMX	
C50 C51 C52 C57 C65			C91-0 CE04L CE04L CC73F CE04L	WIH WIC SLI	010 470 H22	M M OJ	CERAMIC BLECTRO ELECTRO CHIP C ELECTRO		0.010UF 1.0UF 47UF 22PF 1.0UF	K 50 16 J 50	WV	KPYMX KPYMX KPYMX KPYMX KPYMX	
C66 C71 C72 C103-106 C107			CK73F CE04L CE04L CE04L CK73F	W1V W1C W1H	100 470 R47	M M M	CHIP C ELECTRO ELECTRO ELECTRO CHIP C		1000PF 10UF 47UF 0.47UF 0.047UF	K 35 16 50 K	WV	KPYMX KPYMX KPYMX KPYMX KPYMX	
C112 C114 C115,116 C121,122 C135,136			CC73F CK73F CC73F CE04L CQ92F	B1H SL1 W1C	681 H10 470	K 1J · M	CHIP C CHIP C CHIP C ELECTRO MYLAR		100PF 680PF 100PF 47UF 6800PF	Ј К Ј 16 Ј	wv	KPYMX KPYMX KPYMX KPYMX YM	
C182			CC73F	SL1	H15	0J	CHIP C		15PF	J		KPYMX	
J1			E20-0	321	-05		LOCK TERMI	NAL	BOARD A	ANTE	NNA	KPYMX	
CF1 ,2 CF3 L7 L10 L11			L72-0: L72-0: L30-0: L40-1: L40-1:	574 467 091	-05 -05 -17		CERAMIC FII CERAMIC FII AM IFT SMALL FIXEI SMALL FIXEI	LTE D I	R NDUCTOR (1UH) MH,K)	KPYMX KPYMX KPYMX KPYMX KPYMX	
L12 L103 L106 X1 X2			L40-1 L39-1 L40-1 L77-1 L78-0	328 391 122	-05 -17 -05		SMALL FIXED COMBINATION SMALL FIXED CRYSTAL RES RESONATOR	N C	OIL NDUCTOR (1UH MHz)	KPYMX KPYMX KPYMX KPYMX KPYMX	
R11 R31 R42 R111 R127,128			RS14KI RS14KI RD14NI RD14NI RD14NI	330 32E 32E	221. 101. 470.	J J	FL-PROOF RS FL-PROOF RS RD RD RD RD	3	82 220 100 47 100	J J J J	1W 2W 1/4W 1/4W 1/4W	KPYMX KPYMX KPYMX KPYMX KPYMX	
W46 W48			R92-06				CHIP R		MHØ 0			KPYMX KPYMX	
5101			S62-0	34	-05		SLIDE SWITE			SPA	CE	YM	
D3 D3 D4 D4			HZS5.1 RD5.11 HZS3.1 RD3.38 MA110	SS(B2)		ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE					KPYMX KPYMX KPYMX KPYMX KPYMX	

L:	Scan	dina	via	
Y:	PX (F	ar E	ast,	Hawaii
Y:	AAF	ES (E	urop	e)

K: USA ii) T: England X: Australia P: Canada E: Europe

R: Mexico

G: Germany M: Other Areas

KR-V7070

No.5

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis. Telle ohne Parts No. werden nicht geliefert.

No.4

Ref. No. 参照者号	Address 位 懂	New Parts 新	Parts No. 部品者号		scription 名/規 桁	ă		Re- mark 備考
D6 D8 D11 D11 D111,112			HSS104 1SS133 HZS8.2N(B2) RD8.2ES(B2) MA110	DIODE DIODE ZENER DIODE ZENER DIODE DIODE			KPYMX KPYMX KPYMX KPYMX KPYMX	
IC1 IC2 IC12 Q1 Q2			LA1831A-KEN LC7218 NJM4565D 2SC2714(R,Q) 2SC1845(F,E)	ANALOGUE IC IC(PLL SYNTH IC(OP AMP X2 TRANSISTOR TRANSISTOR			KPYMX KPYMX KPYMX KPYMX KPYMX	
Q3 Q3 Q7 Q11 Q102			2SC1740S(Q,R) 2SC2785(F,E) 2SC2412K 2SD863(E,F) 2SA1037K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			KPYMX KPYMX KPYMX KPYMX KPYMX	
Q104 Q107-110 Q109,110 Q111			25A1037K 2SC2412K 2SC2412K 2SA1037K	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			KPYMX YM KPX KPYMX	
DT1			W02-2512-05	FM FRONT-END			KPYMX	
	.,	,	TUNER UN				750	,
C1 ,2 C3 C4 C5 C6			CK73FB1H103K CE04LW1V100M CK73FB1E473K CE04LW1V100M CK73FB1E473K	CHIP C ELECTRO CHIP C ELECTRO CHIP C	0.010UF 10UF 0.047UF 10UF 0.047UF	K 35WV K 35WV K	TEG TEG TEG TEG TEG	
C7 C8 C9 C10 C11			CE04LW1V100M CE04LW1H010M CE04LW1HR47M CE04LW1H2R2M CE04LW1HR47M	ELECTRO ELECTRO ELECTRO ELECTRO ELECTRO	10UF 1.0UF 0.47UF 2.2UF 0.47UF	35WV 50WV 50WV 50WV 50WV	TEG TEG TEG TEG TEG	
C12 C13 C14 C15 C16			CK73FB1E473K CC73FCH1H220J CE04LW1A101M CK73FB1H472K CE04LW1H010M	CHIP C CHIP C ELECTRO CHIP C ELECTRO	0.047UF 22PF 100UF 4700PF 1.0UF	K J 10WV K 50WV	TEG TEG TEG TEG TEG	
C17 ,18 C19 ,20 C21 C22 C23 ,24			CE04LW1V100M CQ92FM1H273J CK73FB1H103K CC73FSL1H101J CE04LW1H2R2M	ELECTRO MYLAR CHIP C CHIP C ELECTRO	10UF 0.027UF 0.010UF 100PF 2.2UF	35WV J K J 50WV	TEG TEG TEG TEG TEG	
C25 ,26 C27 C28 C29 C30			CK73FB1H562K CK73FB1E473K CC73FSL1H150J CE04LW1H0R1M CE04LW1C470M	CHIP C CHIP C CHIP C ELECTRO ELECTRO	5600PF 0.047UF 15PF 0.1UF 47UF	K K J 50WV 16WV	TEG TEG TEG TEG TEG	
C31 C32 C33 C34 C35 -38			CK73FB1E473K CK73FB1H103K CC73FCH1H270J CC73FCH1H220J CC73FSL1H101J	CHIP C CHIP C CHIP C CHIP C	0.047UF 0.010UF 27PF 22PF 100PF	K K J J	TEG TEG TEG TEG TEG	
C39			CE04LW1C470M CE04HW1H2R2M	ELECTRO NP-ELEC	47UF	16WV 50WV	TEG TEG	

L: Scandinavia	K: USA
Y: PX (Far East, Hawaii)	T: England

Y: AAFES (Europe)

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefent.

	ddress New Parts	Parts No. 部品番号	Description 部品名/規格	Desti- Renation ma
C42 ,43 C44 C45 C46 C47		CK73FB1H103K CE04LW1A470M CE04LW1C470M CE04LW1H010M CK73FB1H103K	CHIP C 0.010UF K ELECTRO 47UF 10WV ELECTRO 47UF 16WV ELECTRO 1.0UF 50WV CHIP C 0.010UF K	TEG TEG TEG TEG TEG
C48 C49 C50 C51 -54		CE04LW1H010M CK73FB1H103K CC73FCH1H330J CK73FB1H102K CK73FB1H222K	ELECTRO 1.0UF 50WV CHIP C 0.010UF K CHIP C 33PF J CHIP C 1000PF K CHIP C 2200PF K	TEG TEG TEG TEG TEG
C56 C57 C58 C60 C61		CC73FCH1H060D CC73FCH1H220J CK73FB1E473K CC73FSL1H101J C91-0745-05	CHIP C 6.0PF D CHIP C 22PF J CHIP C 0.047UF K CHIP C 100PF J CERAMIC 100PF K	TEG TEG TEG TEG TEG
C62		CC45FSL1H020C	CERAMIC 2.0PF C	TEG
J1		E20-0321-05	LOCK TERMINAL BOARD ANTENNA	TEG
CF1 ,2 L1 ,2 L3 L5 L6		L72-0536-05 L79-1219-05 L30-0910-05 L79-0125-05 L39-1328-05	CERAMIC FILTER LC FILTER FM 1FT LC FILTER COMBINATION COIL	TEG TEG TEG TEG TEG
L7 L8 ,9 L11 X1 X2		L30-0467-05 L40-1091-17 L40-1001-17 L77-1122-05 L78-0295-05	AM IFT SMALL FIXED INDUCTOR(1UH) SMALL FIXED INDUCTOR(1OUH,K) CRYSTAL RESONATOR(7.2MH2) RESONATOR (456kHz)	TEG TEG TEG TEG
R42 R78 R79 W101-106 W108-112		RD14NB2E101J RD14NB2E470J RS14KB3D221J R92-0670-05 R92-0670-05	RD 100 J 1/4W RD 47 J 1/4W FL-PROOF RS 220 J 2W CHIP R 0 0HM CHIP R 0 0HM	TEG TEG TEG TEG TEG
W114-119 W121,122 W201-203 W207,208		R92-0670-05 R92-0670-05 R92-0679-05 R92-0679-05	CHIP R O OHM CHIP R O OHM CHIP R O OHM CHIP R O OHM	TEG TEG TEG TEG
D1 ,2 D1 ,2 D3 D3 D4		HSS104 1SS133 MTZJ5.1(B) RD5.1ES(B2) MTZJ8.2(B)	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE	TEG TEG TEG TEG TEG
D4 D5 D5 D6 D6		RD8.2ES(B2) HSS104 1SS133 MTZJ3.3(B) RD3.3ES(B2)	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE	TEG TEG TEG TEG TEG
D7 D8 D9 IC1 IC2		MA110 1SS268 MA110 LA1836 LC7218	DIODE DIODE DIODE ANALOGUE IC IC(PLL SYNTHESIZER)	TEG TEG TEG TEG

L: Scandinavia Y: PX (Far East, Hawaii) Y: AAFES (Europe)

P: Canada

E: Europe

M: Other Areas

K: USA

P: Canada E: Europe X: Australia M: Other Areas

R: Mexico G: Germany

A indicates safety critical components

K: USA T: England X: Australia

R: Mexico G: Germany

Ref. No.

IC3

02

Q3 ~5

Q7 , 8

010

917

Q18

C5

C6

C12

C13

C14

C27 , 28

C29

C30

C31

C32

C33

C35

C36

C37

C38

C39

C40

C41 .42

C51 ,52

C53 ,54

C53 ,54

C55 ,56

C57 ,58 C59 ,60

C61 ,62

C63 ,64

C63 ,64

C65 ,66

C67 ,68

C8 ,9 C10 ,11

C15 ,16

C21 ,22

C23 ,24

C25 ,26

Q11 ,12

多番朋卷

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No, ne sont pas fournis

M5223P

Parts No.

部 品 書 品

25C2714(R, Q)

2SC1845(F,E)

2SC4081(R,S)

25A1576(R.S)

2SD863(E,F)

2SD1757K

2SA1576(R,S)

25C4081(R.S)

2SA1576(R,S)

2SC4081(R,S)

W02-2509-05

C91-1488-05

CK45FF1H103Z

CE04LW1V4R7M

CE04LW1E102M

CK45FF1H223Z

CK45FF1H103Z

CK45FE2H103P

CK45FF1H103Z

CEO4LW1C331M

CK45FB1H102K

CK45FF1H473Z

C90-3536-05

CEO4LW1V102M

CE04LW1C470M

CK45FB1H102K

CE04LW1C470M

CEO4LW1A470M

CEO4LW1J221M

CEO4LW1A470M

CE04LW1V100M

CE04LW1C470M

CEO4LW1C330M

CEO4LW1V4R7M

CE04LW1V100M

CK45FF1H103Z

CC45FSL1H101J

CC45FSL1H101J

CEO4LW1A470M

CC45FSL1H030C

CC45FSL1H151J

CK45FB1H391K

CEO4LW1A101M

CC45FSL1H050C

CC45FSL1H180J

CC45FSL1H470J

CK45FB1H102K

CK45FB1H681K

CE04LW1H010M

CEO4LW1A101M

CC45FSL1H331J

Telle ohne Parts No. werden nicht geliefent. Address New

位置新

No.6

向備考

Desti- Re-

TEG

ΚP

TEG

TEG

TEG

TEG

KPYMX

KPYMX

TEG

TEG

KPYMX

Description

部品名/規格

6800PF

4.7HF

1000UF

0.022UF

0.010UF

0.010UF

0.010UF

330UF

1000PF

0.047UF

6800UF

1000UF

1000PF

47UF

47UF

47UF

47UF

10UF

47UF

330PF

4.7UF

0.010UF

100PF

100PF

47UF

3.0PF

150PF

390PF

100UF

5. OPF

18PF

47PF

1000PF

680PF

1.0UF

100UF

33UF

10UF

220UF

0.010UF

250VAC

Z 35WV

25WV

Z

16WV

71WV

35WV

16WV

16WV

10WV

63WV

10WV

35WV

16WV

16WV

35 V

35WV

10WV

10WV

50WV

10WV

IC(OP AMP X2)

TRANSISTOR

MAIN AMP UNIT (X07-285X-XX)

CERAMIC

ELECTRO

ELECTRO

CERAMIC

CERAMIC

CERAMIC

CERAMIC

ELECTRO

CERAMIC

CERAMIC

ELECTRO

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CERAMIC

CERAMIC

CERAMIC

CERAMIC

CERAMIC

ELECTRO

ELECTRO

FM FRONT-END ASSY

× New Parts Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Telle onne Parts No. werden nicht geliefert.

No.7

	Ref. No. 参照番号	Address 位 恒	New Parts 新	Parts No. 部品普号	Description 部品名/規格	Desti-Fi nation in 仕 向 1
	C71 ,72 C73 ,74 C75 ,76 C77 ,78 C79 ,80			CC45FSL1H030C CC45FSL1H151J CE04LW1A101M CC45FSL1H050C CC45FSL1H180J	CERAMIC 3.0PF C CERAMIC 150PF J ELECTRO 100UF 10WV CERAMIC 5.0PF C CERAMIC 18PF J	
	C81 ,82 C83 ,84 C85 ,86 C87 ,88 C99			CC45FSL1H470J CK45FB1H681K CE04LW1H010M CE04LW2A100M CE04LW1A101M	CERAMIC 47PF J CERAMIC 680PF K ELECTRO 1.0UF 50WV ELECTRO 10UF 100WV ELECTRO 10UF 10WV	
	C100 C103-106 C107-110 C109,110 C113-116			CE04LW1C101M CK45FF1H103Z CF92FV1H224J CQ93FMG1H104J CK45FF1H103Z	ELECTRO 100UF 16WV CERAMIC 0.010UF Z MF-C 0.22UF J MYLAR 0.10UF J CERAMIC 0.010UF Z	TEG KPYMX
	C117-120 C118,119 C121-124 C125-128 C125,126			CF92FV1H224J CQ93FMG1H104J CK45FF1H472Z CK45FB1H102K CK45FB1H332K	MF-C 0.22UF J MYLAR 0.10UF J CERAMIC 4700PF Z CERAMIC 1000PF K CERAMIC 3300PF K	TEG KPYMX TEG KPYMX TEG
I	C127,128 C129,130 C131 C133 C134			CK45FB1H471K CK45FB1H332K CK45FB1H391K CE04LW1V4R7M CE04LW0J221M	CERAMIC 470PF K CERAMIC 3300PF K CERAMIC 390PF K ELECTRO 4.7UF 35WV ELECTRO 220UF 6.3WV	TEG TEG TEG
ı	C135			CQ93FMG1H473J	MYLAR 0.047UF J	
7	J1 J1 J1 J4 J4			E03-0148-05 E03-0149-05 E03-0310-05 E70-0018-05 E70-0019-05	AC GUTLET AC GUTLET AC GUTLET SCREW TERMINAL BOARD FRONT SP SCREW TERMINAL BOARD FRONT SP	KP YMEG T KPYMX TEG
	J5			E70-0046-05	LOCK TERMINAL BOARD C.SP/R.SP	
2	687 F1 F1 F1 ,2 F2	1D,2C		F20-1426-05 F05-3121-05 F05-7026-05 F05-3121-05 F05-2525-05	INSULATING BOARD FUSE (SEMKO) (250V T3.15AL) FUSE (UL) (250V 7A) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T2.5AL)	XTEG KP YM EG
4	F3 ,4 F3 ,4 F5 ,6 F5 ,6			F04-1026-05 F06-1022-05 F05-1037-05 F05-6321-05	FUSE (UL) (250V 1A) FUSE (SEMKO) (250V T1AL) FUSE (250V 10A) FUSE (SEMKO) (250V T6.3A)	KP YMXTEG KP YMXTEG
	CN2 -13 CN2 ,3 CN2 ,3 CN6 -13 CN6 -9			J13-0075-05 J13-0041-05 J13-0075-05 J13-0075-05 J13-0075-05	FUSE CLIP FUSE CLIP FUSE CLIP FUSE CLIP FUSE CLIP	YMEG KP XT XT KP
	CN10-13 J6 -8			J13-0041-05 J11-0098-05	FUSE CLIP WIRE CLAMPER	KP
7	E1 -4 T1 T1 T1 T1		*	L39-0085-05 L07-1876-05 L07-1877-05 L07-1878-05 L07-1879-05	PHASE COMPENSATION COIL POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	KP YM X TEG

L:	Scandin	navia	
Y:	PX (Far	East,	Hawaii)

K: USA T: England

P: Canada E: Europe

R: Mexico G: Germany

	C11 C11 C12 C12 C12	7-12 8,11 1-12 5-12 5,12
	C12 C12 C13 C13 C13	7,12 9,13 1 3
	C13	5
	J1 J1 J1 J4 J4	
	J5	
AAAA	687 F1 F1 F1 F2	, 2
	F3 F5 F5	, 4
	CN2 CN2 CN2 CN6	-13 ,3 ,3 -13

L: Scandinavia T. FX (Far East, Hawaii)

Y: AAFES (Europe)

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R: Mexico G: Germany

indicates safety critical components.

Y: AAFES (Europe)

X: Australia

M: Other Areas

indicates safety critical components.

R-V707(

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Telle onne Parts No. werden nicht geliefert.

No.8

Ref. No.		New Parts	Parts No.	Description		Re- marks
参照番号	位置	新	部品番号	部品名/規格	仕 向	備考
G	10,2C		N35-3010-46	BINDING HEAD MACHINE SCREW		
CP1 -3 CP4 R1 R8 R9			R90-0840-05 R90-0868-05 R92-1769-05 R014NB2E470J RS14KB3A103J	RD 0.22 5W MULTIPLE RESISTOR CARBON 3.3M J 1/2W RD 47 J 1/4W FL-PROOF RS 10K J 1W	ΚP	
R10 -12 R30 R33 R41 R43			RD14NB2E4R7J RD14NB2E6B2J RD14NB2E101J RS14KB3A6B0J RS14KB3A6B0J	RD 4.7 J 1/4W RD 6.8K J 1/4W RD 100 J 1/4W FL-PR00F RS 68 J 1W FL-PR00F RS 68 J 1W		
R45 R98 R105-108 R109,110 R117-120		×	RS14KB3A103J RD14NB2E332J RD14NB2E271J RD14NB2E272J RD14NB2E271J	FL-PROOF RS 10K J 1W RD 3.3K J 1/4W RD 270 J 1/4W RD 2.7K J 1/4W RD 270 J 1/4W		
R121,122 R125-128 R137-140 R150-152 R150-153		*	R014NB2E272J RS14KB3D4R7J RD14NB2E100J RS14KB3D271J RS14KB3D271J	RD 2.7K J 1/4W FL-PROOF RS 4.7 J 2W RD 10 J 1/4W FL-PROOF RS 270 J 2W FL-PROOF RS 270 J 2W	KPYMX TEG	
R154 R167 R177 VR1 -4			RS14KB3D101J RD14NB2E470J RS14KB3A330J R12-1617-05	FL-PROOF RS 100 J 2W RD 47 J 1/4W FL-PROOF RS 33 J 1W TRIMMING POT.(2.2K)		
K1 K2 -4 K2 -4 S1 S2			\$76-0002-05 \$51-2078-05 \$51-2092-05 \$31-3010-05 \$31-2136-05	MAGNETIC RELAY MAGNETIC RELAY MAGNETIC RELAY SLIDE SWITCH AC VOLTAGE SEL SLIDE SWITCH IMPEDANCE SEL	YM	-
D1 -4 D1 -4 D5 ,6 D5 ,6			S5688B 1SR139-100 HSS104A 1SS131 HSS104	DIODE DIODE DIODE DIODE DIODE		
D7 D8 D9 .10 D9 ,10 D11 ,12			1SS133 D5FB20-4002-L20 HSS104A 1SS131 S5680B	DIQDE DIQDE DIQDE DIQDE DIQDE		
D11 ,12 D13 D13 D14 D14			1SR139-100 RD5.6ES(B2) UZ-5.6BSB HSS104 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D15 D15 D16 D16 D17			HSS104A 1SS131 RD4.7ES(B) UZ-4.7BS RD2.7ES(B2)	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D17 D18 ,19 D18 .19		*	UZ-2.7BSB RD6.8ES(B2) UZ-6.8BSB RD3.9ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE		

Ŀ	Scandinavia	
ψ.	PX (Far Fast Hawaii)	

Y: AAFES (Europe)

K: USA T: England X: Australia P: Canada E: Europe M: Other Areas R: Mexico **G**: Germany

A indicates safety critical components

× New Parts

Parts without Parts No. are not supplied.

Ref.	No.	Address		Parts No.	Description	Desti	Re-
照卷	番号	位置	Parts 新	部品番号	郎品名/規格		mark 備考
D20 D21 D21 D25 D25	-24 -24		*	UZ-3.9BSB S5688B 1SR139-100 RD8,2ES(B2) UZ-8.2BSB	ZENER DIQDE DIQDE DIQDE ZENER DIQDE ZENER DIQDE		
D26 D26 D27 D27 D29	, 28 , 28			RD6.2ES(B2) UZ-6.2BSB RD16ES(B2) UZ-16BSB RD6.2ES(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D29 D30 D30 D31 D31	-33 -33			UZ-6.2BSB RD2.7ES(B2) UZ-2.7BSB HSS104 1SS133	ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D42 D42 D51 D51 D71	-44			HSS104 1SS133 HSS104 1SS133 HSS104A	DIODE DIODE DIODE DIODE DIODE		
D71 D76 D76 D81 D81	-75			1SS131 RD5.6ES(B2) UZ-5.6BSB HSS104 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D82 D82 D83 D83 D91	-96			RD5.6ES(B2) UZ-5.6BSB HSS104 1SS133 HSS104	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
Q1 Q2	-96 , 2			1SS133 UPC2581V 2SC2003(L,K) 2SA992(F,E) 2SD2012	DIØDE IC SET TRANSISTØR TRANSISTØR TRANSISTØR		
Q3 Q3 Q5 Q5 Q6	, 4 , 4			2SD2061 2SD2374 2SC1740S(Q,R) 2SC2785(F,E) 2SA1175(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q6 Q7 Q7 Q8 Q8				2SA933S(Q,R) 2SC1740S(Q,R) 2SC2785(F,E) 2SA1175(F,E) 2SA933S(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q9 Q10 Q11 Q21 Q21	-23			2SC3940A(R,S) 2SA1534A(R,S) 2SC1845(F,E) 2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
	, 28 -34 -34			2SC1845(F,E) 2SA992(F,E) DTC124ES UN4212 2SB1370	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		

L: Scandinavia Y: PX (Far East, Hawaii)

K: USA T: England Y: AAFES (Europe)

X: Australia

P: Canada E: Europe M: Other Areas

R: Mexico G: Germany Parts without Parts No. are not supplied.

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Telle ohne Parts No. werden nicht gellefert.

No.10

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Ref.	No.	Address		Parts No.		Des	cription		Desti-	Re-
那体	養号	位置	*	部品番号	都	品	名/規	格		marks
Q41 Q42 Q42 Q42 Q45	46			2SB1375 2SD2012 2SD2061 2SD2374 2SC1740S(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR					
947 , 947 , 949 ,	48 48 50			2SC2785(F,E) 2SA1175(F,E) 2SA933S(Q,R) 2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR					
Q62 ,	63			2SC1845(F,E) 2SC1740S(Q,R) 2SC2785(F,E) 2SD2012 2SD2061	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR					
Q103, Q105,	104			2SD2374 2SD2222BT 2SB1470BT 2SC4137F19(V,W) 2SD2222BT	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR					
Q108 Q109 Q110 Q111,	112			2SD2390LB 2SB1470BT 2SB1560LB 2SC4137F19(V,W)	TRANSISTOR TRANSISTOR TRANSISTOR					
				AUDIO UNI	T (X09-40	8X	(-XX)			-
C3 C7 C11	8 12			C91-0749-05 C91-0749-05 C91-0749-05 C91-0749-05 CE04LW1H010M	CERAMIC CERAMIC CERAMIC CERAMIC ELECTRO		220PF 220PF 220PF 220PF 220PF	K K K K 50₩V	TEG KPYMX KPYMX KPYMX	
C19 , C21 C22	20			C91-0729-05 CE04LW1C220M CE04LW1H010M CK45FB1H681K CE04LW1V100M	CERAMIC ELECTRO ELECTRO CERAMIC ELECTRO		22UF 1.OUF 680PF	J 16WV 50WV K 35WV		
C27 , C29 , C31 ,	28 30 32.			CC45FSL1H221J CE04LW1A101M C91-0757-05 CQ93FMG1H123J CQ93FMG1H332J	CERAMIC ELECTRO CERAMIC MYLAR MYLAR		100UF 1000PF 0.012UF	J 10WV K J J		
C37 , C39 ~ C43 ,	38 42 44			CE04LW1V4R7M CE04LW1E470M CK45FF1H103Z CC45FSL1H101J CK45FB1H471K	ELECTRO ELECTRO CERAMIC CERAMIC CERAMIC		47UF 0.010UF 100PF	35WV 25WV Z J K		
C61, C63, C65 -	62 64 68			C91-0735-05 CE04LW1H010M CE04LW1HR47M CE04LW1V4R7M CC45FSL1H101J	CERAMIC ELECTRO ELECTRO ELECTRO CERAMIC	(1.0UF 0.47UF 4.7UF	J 50WV 50WV 35WV J		
C77 , C79 , C81 .	78 80 82			CC45FSL1H220J CE04LW1H010M CE04LW1HR47M CE04LW1V4R7M CE04LW1V4R7M	CERAMIC ELECTRO ELECTRO ELECTRO ELECTRO		1.0UF 0.47UF 4.7UF	J 50WV 50WV 35WV 35WV		
	Ref. *** Q41 Q42 Q42 Q42 Q42 Q45 Q47	Ref. No. *** INT *** 59 Q41 Q42 Q42 Q42 Q45 , 46 Q47 , 48 Q47 , 48 Q47 , 48 Q49 , 50 Q51 , 52 Q62 , 63 Q65 Q65 Q65 Q65 Q101 , 102 Q103 , 104 Q105 , 106 Q107 , 110 Q111 , 112 C1 C1 C1 C1 C1 C1 C1 C1 C2 C2 C3	Ref. No. Address # M # 5 16	Ref. No. Address New Parts W M # 59 Q41 Q42 Q42 Q42 Q45, 46 Q45, 46 Q47, 48 Q49, 50 Q51, 52 Q62, 63 Q62, 63 Q62, 63 Q65 Q65 Q65 Q101, 102 Q103, 104 Q105, 106 Q107, Q108 Q109 Q110 Q1111, 112 C1 C1, 18 C1, 18 C1, 18 C1, 18 C2, 28 C29, 30 C21 C22 C23, 24 C25, 26 C27, 28 C29, 30 C31, 32 C33, 34 C35, 36 C37, 38	The second color of the	Ref. No. Address New Parts No. BE B B B B B B B B B B B B B B B B B B	Ref. No. Address New Parts No. Des New Parts No. Ref. as New New As New Parts No. Ref. as New New As New Parts No. Ref. as New New As New New	Ref. No.	Ref. No.	Ref. No.

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Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

No.11

PARTS LIST

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Ref. No.	Address		Parts No.	Des	scription		Desti-	Re-
参照著号	位置	Parts #f	部品署号	部 品	名/規	**	nation	mark: 備考
C87 ,88 C89 ,90 C91 -94 C95 ,96 C97 ,98			CF92FV1H184J CC45FSL1H101J CE04LW1H010M CE04LW1V100M CK45FF1H103Z	CERAMIC ELECTRO ELECTRO	0.18UF 100PF 1.0UF 10UF 0.010UF	J J 50WV 35WV Z		
C99 ,100 C101 C102 C103 C105,106			CC45FSL1H101J CK45FB1H471K CK45FF1H103Z CE04HW1E4R7M CK45FF1H103Z	CERAMIC CERAMIC NP-ELEC	100PF 470PF 0.010UF 4.7UF 0.010UF	J K Z 25WV Z		
C107 C108 C110,111 C112,113 C131,132			CK45FB1H471K CK45FF1H103Z CE04LW1C221M CC45FSL1H101J CE04LW1H010M	CERAMIC ELECTRO CERAMIC	470PF 0.010UF 220UF 100PF 1.0UF	K Z 16WV J 50WV		
C133,134 C151-154 C151,152 C155 C156			CE04LW1V4R7M C91-0749-05 C91-0749-05 CK45FF1H103Z CK45FB1H221K	CERAMIC CERAMIC CERAMIC	4.7UF 220PF 220PF 0.010UF 220PF	35 W V K K Z K	TEG KPYMX TEG	
C157,158 C159-161 C162-164 C165,166 C167,168			CC45FSL1H470J CE04LW1V100M CK45FF1H103Z CK45FB1H221K CK45FF1H103Z	ELECTRO CERAMIC CERAMIC	47PF 10UF 0.010UF 220PF 0.010UF	J 35WV Z K Z		
C169 C170,171 C172 C173,174 C201			CE04HW1E100M CK45FF1H103Z CE04LW1V4R7M CE04LW1A101M CE04LW1V4R7M	CERAMIC ELECTRO ELECTRO	10UF 0.010UF 4.7UF 100UF 4.7UF	25WV Z 35WV 10WV 35WV		
C202-204 C205 C209 C210 C211			CF92FV1H224J CF92FV1H684J CE04LW1A221M CQ93FMG1H473J CQ93FMG1H562J	MF-C ELECTRO MYLAR	0.22UF 0.68UF 220UF 0.047UF 5600PF	J J 10WV J		
C214 C215 C216 C217,218 C220			CF92FV1H224J CE04LW1V100M CE04LW1C101M CE04LW1V100M CE04LW1C220M	ELECTRO 1	0.22UF 10UF 100UF 10UF 22UF	J 35WV 16WV 35WV 16WV		
C221 C222 C223 C224-227 C228,229			CQ93FMG1H472J CE04LW1V4R7M CF92FV1H224J CQ93FMG1H104J CQ93FMG1H223J	MF-C C	700PF 1.7UF 0.22UF 0.10UF 0.022UF	J 35WV J J		
C230 C231 C232,233 C235,236 C237,238			CK45FB1H681K CQ93FMG1H473J CQ93FMG1H104J CE04LW1V100M CQ93FMG1H104J	MYLAR COMPLAR COMPLAR COMPLETERS IN THE COMPLETE	80PF 0.047UF 0.10UF 0UF 0.10UF	K J J 35WV J		
C239 C240 C241 C242 C251-254			CQ93FMG1H473J CK45FB1H681K CE04GW1E220M CE04LW1V100M CE04LW1V100M	CERAMIC 6 LL-ELEC 2 ELECTRO 1	0.047UF 80PF 2UF OUF OUF	J K 25WV 35WV 35WV		

L: Scandinavia Y: AAFES (Europe)

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No. 10

Ref. No.	Addres	S & New Parts		arts	No.		De	scription		Desti-	Re-
参照者号	位值	E 5	皷	a.	# 号	趣	a	名/規	格		mark 備考
C271,272 C273 C274,275 C281,282 C301			CK458 CK458 CE041	781H 7F1H .W1V	103Z	CERAMIC CERAMIC CERAMIC ELECTRO MYLAR		100PF 470PF 0.010UF 10UF 0.010UF	J K Z 35WV J		
C302 C303 C304,305 C306 C307			CK458	B1H MG1 SL1	H472J H271J	MYLAR CERAMIC MYLAR CERAMIC ELECTRO		0.012UF 820PF 4700PF 270PF 4.7UF	J K J J 35WV		
C310 C311,312 C313,314 C315,316 C317			CE04L	MG1 W1A MG1	H104J 101M H104J	ELECTRO MYLAR ELECTRO MYLAR ELECTRO		100UF 0.10UF 100UF 0.10UF	16WV J 10WV J		
C318 C319 C320 C321,322 C323,324			CEO4L CK45F	WIA FIH SL1	103Z H101J	MYLAR ELECTRO CERAMIC CERAMIC ELECTRO		3900PF 100UF 0.010UF 100PF 4.7UF	J 10WV Z J 35WV		
C325,326 C327,328 C329,330 C331-333 C336			CQ93F CC45F CQ93F CE04L CE04L	SL1 MG1 W1V	4R7M	MYLAR CERAMIC MYLAR ELECTRO ELECTRO		5600PF 180PF 4700PF 4.7UF 4.7UF	J J J 35WV 35WV		
C351,352 C353 C354 C355 C356			CEO4L CEO4L CEO4L CC45P CEO4L	W1V W1H SL1	100M 010M H101J	ELECTRO ELECTRO ELECTRO CERAMIC ELECTRO		0.22UF 10UF 1.0UF 1.0UF 1.0UF	50WV 35WV 50WV J 50WV		
0357,358 0359 0360,361 0362			CE04L CE04L CC45F CE04L CE04L	WIC SLII WIV	101M H101J 4R7M	ELECTRO ELECTRO CERAMIC ELECTRO ELECTRO		4.7UF 100UF 100PF 4.7UF 22UF	35WV 16WV J 35WV 35WV		
381 382,383 385,386 3501 3502			CC45F CE04L CE04L CE04L CC45F	W1V4 W1V4 W1H3	4R7M 4R7M 2R2M	CERAMIC ELECTRO ELECTRO ELECTRO CERAMIC		22PF 4.7UF 4.7UF 2.2UF 330PF	J 35WV 35WV 50WV J	TEG TEG	
2503 2504 2505 2506 2507			CK45F CK45F CE04L CC45F CC45F	F1H1 W1V1 CH1H	03Z 100M 1470J	CERAMIC CERAMIC ELECTRO CERAMIC CERAMIC	1	560PF 0.010UF 10UF 47PF 22PF	K 2 35WV J J	TEG TEG TEG TEG TEG	
508 509 510 511 512			CK45F CE04L CK45F CE04L CK45F	W1V1 F1H1 W1V4	00M 03Z 70M	CERAMIC ELECTRO CERAMIC ELECTRO CERAMIC	1	0.010UF 10UF 0.010UF 17UF 1000PF	Z 35WV Z 35WV K	TEG TEG TEG TEG TEG	
513 71 ,2		11	CC45F: E63-0 E63-0	970-	15	CERAMIC PHONO JACKO PHONO JACKO	161	OOPF	Ј ТР/СО/РНЮ	TEG	J

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Ref.	No.	Addre		Parts No.	D	escription			Desti-	Re-
参照	番号	位	Parts ≸i	部品書号	都品	名/規	格		nation 仕 向	mark
J5 J6 J7			*	E63-0069-15 E63-0130-05 E11-0188-05	PHONO JACK(4 PHONO JACK(1 MINIATURE PH	P) VIDEO I	10N I	TR QUT		J
688		2 D		J19-3331-05	UNIT HOLDER					
L1 L501 L504 X1 X501				L40-1091-17 L40-1091-17 L40-1001-17 L78-0601-05 L77-2002-05	SMALL FIXED SMALL FIXED SMALL FIXED RESONATOR CRYSTAL RESO	INDUCTOR INDUCTOR (7.16)	10H (10U) H,K)	TEG TEG	
X502				L78-0244-05	RESONATOR	(4.000	(MC		TEG	
R108, R177, R206 R226 R309	109 178			RD14NB2E470J RD14NB2E220J RN14BK2C1003F RD14NB2E101J RD14NB2E101J	RD RD RN RD RD	47 22 100K 100 100	J F J	1/4W 1/4W 1/6W 1/4W 1/4W		
R370 R510				RD14NB2E101J RS14KB3D331J	RD FL-PROOF RS	100 330	J J	1/4W 2W	TEG	
D1 D1 D3 D3 D51	2 2 -57			HSS104 1SS133 RD5.1ES(B2) UZ-5.1BSB HSS104	DIODE DIODE ZENER DIODE ZENER DIODE DIODE					
D51 - D61 - D61 - D501 D501	68			1SS133 HSS104 1SS133 RD5.1ES(B2) UZ-5.1BS8	DIODE DIODE DIODE ZENER DIODE ZENER DIODE				TEG TEG	
IC1 IC2 IC3 , IC5 , IC7 -	6			NJU7313AL NJU7312AL NJM4580D-D LC7536R NJM4565L	ANALOGUE IC ANALOGUE IC IC(OP AMP X2 ANALOGUE IC IC(OP AMP X2					
IC11 IC12 IC13 IC14 IC15			- 1	NJM2177AFB3 NJU7311AL YM7120B NE571N NJM2279D	ANALOGUE IC ANALOGUE IC IC(DIGITAL SI IC(COMPANDORI IC(VIDEO IC)	JRROUND)				
IC16 IC17 IC18 IC19 IC19				MC14576CP UPC78L05J NJM4565L NJM072BL NJM2082L	ANALOGUE IC IC(VOLTAGE RE IC(OP AMP X2) IC(OP AMP) IC(OP AMP)	GULATOR/	+51	<i>)</i>)		
IC20- IC501 IC502 Q1 - Q5 ,	4			NJM4565L SAA6579 LC6543H-4D68 2SC2878(B) 2SC1845(F,E)	IC(OP AMP X2) ANALOGUE IC MI-COM IC TRANSISTOR TRANSISTOR	•			TEG TEG	-
97 99 99 921 -	11			2SK246(Y,GR) 2SA1175(F,E) 2SA933S(Q,R) 2SC1645(F,E) 2SC2678(B)	FET TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR					

L: Scandinavia Y: AAFES (Europe)

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No 14

Ref.		Address	Parts	Parts No.		Description		Desti- nation	Re- mark
照律	番号	位置	3 f1	部品番号	部	品名/規	18	仕 向	備考
224				25A1175(F,E)	TRANSISTOR				
224	,			2SA933S(Q,R) 2SC1740S(Q,R)	TRANSISTOR TRANSISTOR				
225				25C2785(F,E)	TRANSISTOR				
				DISPLAY	JNIT (X14-3	97X-XX)			
D29				830-2461-05	LED(RED)		77 174 6 776		Γ
C1				CEO4LW1V4R7M	ELECTRO	4.7UF	35WV		1
C2 C3				CEO4LW1H010M	ELECTRO	1.0UF	SOWV	1	
C 4				C90-1827-05 CE04LW1A101M	ELECTRO ELECTRO	0.047UF 100UF	5.5WV 10WV		1
C5	,6 •			CEO4LW1V4R7M	ELECTRO	4.7UF	35WV		1
C7				CEO4LW1C330M	ELECTRO	33UF	16WV		
C10				C91-0769-05	CERAMIC	0.010UF	K		
C15 C17	, 16			CK45FF1H103Z C91-0769-05	CERAMIC	0.010UF 0.010UF	Z K		
C18				C91-0085-05	CERAMIC	0.022UF	Ň		
C19	. 20			C90-3228-05	ELECTRO	47UF	16WV		
C21	,22	1		C91-0749-05	CERAMIC	220PF	K		
C23 C25	, 24			C90-3231-05 C91-0737-05	CERAMIC	3.3UF 47PF	25WV J		
C27	,	1		C91-0754-05	CERAMIC	560PF	Ĵ		
C28				CK45FB1H561K	CERAMIC	560PF	К	1	
C29	,30			CE04LW1V100M	ELECTRO	10UF	35WV		
C31		i		C90-3224-05 CE04LW1V4R7M	ELECTRO	4.7UF 4.7UF	16WV 35WV		1
C33	, 34			CQ93FMG1H393		0.039UF	J		
C35	. 36			CQ93FMG1H563	MYLAR	0.056UF	J		
C41	,	1		CK45FF1H103Z	CERAMIC	0.010UF	ž	KPYMX	
C41 C42	4.7			CQ93FMG1H223	MYLAR	0.022UF	J	TEG	
C44	, 43		1	CK45FB1H561K CK45FF1H103Z	CERAMIC	560PF 0.010UF	K Z	TEG	
045									
C45 C46				CQ93FMG1H223 CK45FF1H103Z	MYLAR CERAMIC	0.022UF 0.010UF	J Z		
							-		
J1				E11-0190-05	PHONE JACI	K PHONES			
				L78-0267-05	RESONATOR	(4.194	4MHz)		
X 1				R90-0856-05	MULTI-COM		J 1/6W		
CP2				RD14N82E221J RD14N82E100J	RD RD	220 10	J 1/4W J 1/4W		
R19	,20			RD14NB2E121J	RD	120	J 1/4W		1
R22 R84	85		1	RS14KB3D561J	FL-PROOF	RS 560	J 2W		
R112	,113			R31-0036-05	VARIABLE	RESISTOR			
VR1	, 2			S40-1064-05	PUSH SWIT	СН			
				540-1064-05	PUSH SWITE	CH AF/PTY/D	ISPLAY		
S1 S16	-15 -18			S40-1064-05 S40-1064-05	PUSH SWIT			TEG	
S19	-32								
534	-36			T99-0554-05		CODER VOLUMI ECTOR INPUT			
S37					SERED DEL	COLOR THEOLY	7 1706 1 1		
S38	, 39			RD8.2ES(B2)	ZENER DIO				
D1		1		UZ-8.2BSB	ZENER DIO	DE.			
D1		1	1	1	1			1	- 1

L: Scandinavia	
V: PX (For East,	Hav
Y: AAFES (Euro	(9Q

K: USA X: Australia

P: Canada M: Other Areas

R: Mexico

★ indicates safety critical components.

Parts without Parts No. are not supplied.

Les articles non mentionnes dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.15

T	Ref.	No.	Add	ress		Parts No.	Description		Re-
	参照	R 春 号	位		Parts #i	部品番号	部 晶 名 / 規 格	nation 住 向	marks 備考
		-14 -14 -22				RD2.7ES(B2) UZ-2.7BSB HSS104 1SS133 HSS104A	ZENER DIODE ZENER DIODE DIODE DIODE DIODE DIODE	КР	
	D15 D15 D15 D15 D15	-23 -23 -24				155131 H55104A 155131 H55104A 155131	DIODE DIODE DIODE DIODE DIODE	KP YMTEG YMTEG X X	
	D25 D25 D28 D28 D34	-36				HSS104A 1SS131 HSS104A 1SS131 HSS104	DIODE DIODE DIODE DIODE	TEG TEG YM YM	
	D34 ED1 IC1 IC1 IC2	-36			*	1SS133 11-MT-99GK UPD78044AGF-071 UPD78045AGF-013 S-80740AL	DIODE INDICATOR TUBE HI-COM IC HI-COM IC IC(VOLTAGE DETECTOR)	KPYMX TEG	
	IC3 Q1 Q1 Q3 Q3	, 2				NJM4580D-D 2SC1740S(Q,R) 2SC2785(F,E) 2SA1175(F,E) 2SA933S(Q,R)	IC(OP AMP X2) TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	YM YM	
	Q4 Q4	, 5 , 5				2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR		
	A1 A1					W02-1153-05 W02-1174-05	ELECTRIC CIRCUIT MODULE ELECTRIC CIRCUIT MODULE		

L: Scandinavia Y: PX (Far East, Hawaii) T: England Y: AAFES (Europe)

K: USA X: Australia

P: Canada E: Europe

R: Mexico G: Germany M: Other Areas

★ indicates safety critical components

KR-V7070

KR-V7070

SPECIFICATIONS

Audio section

Rated power output at the STEREO operation

100 watts per channel minimum RMS, both channels driven at 8 Ω , from 20 Hz to 20,000 Hz with no more than 0.06 % total harmonic distortions. (FTC)

Power output at the Surround operation Front

100 watts per channel minimum RMS, both channels driven at 8 Ω , 1 kHz with no more than 0.7 % total harmonic distortions. (FTC)

Center

100 watts per channel minimum RMS, both channels driven at 8 Ω , 1 kHz with no more than 0.7 % total harmonic distortions. (FTC)

Rear

28 watts per channel minimum RMS, both channels driven at 8 Ω , 1 kHz with no more than 0.7 % total harmonic distortions. (FTC)

Total harmonic distortion (1 kHz, 8 S	2) 0.01 % at 50 W
Signal to noise ratio (IHF A)	
PHONO (MM)	75 dB
CD	98 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV /47 kΩ
CD, TAPE, VIDEO	200 mV /47 kΩ
Output level / impedance	
S.W. OUT	2.0 V / 600 Ω
Tone controls	
BASS	± 10 dB (at 100 Hz)
TREBLE	
N.B. circuit	

Video section

VIDEO inputs / outputs (Composite) 1 Vp-p / 75 Ω

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

FM Tuner section

Tuning frequency range
50 dB quieting sensitivity STEREO41.2 dBf (32 μ V at 75 Ω)
Total harmonic distortion at 1 kHz MONO
STEREO
MONO75 dB
STEREO
Stereo separation (IHF at 1 kHz)
AM Tuner section
Tuning frequency range530 kHz ~ 1,700 kHz
Usable sensitivity
Usable sensitivity12 μV / (500 μV / m)
Usable sensitivity
Usable sensitivity 12 μV / (500 μV / m) Total harmonic distortion 0.7 % Signal to noise ratio 48 dB Selectivity 30 dB General Power consumption 3.5 A
Usable sensitivity
Usable sensitivity 12 μV / (500 μV / m) Total harmonic distortion 0.7 % Signal to noise ratio 48 dB Selectivity 30 dB General Power consumption 3.5 A AC outlet SWITCHED 2: (total 150 W, 1.25 A max.) Dimensions W: 440 mm (17-5/16")
Usable sensitivity

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